

<b>VACANT LOT SITE NORTH CHICAGO, ILLINOIS</b>
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## **APPENDICES:**

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# **APPENDIX A**

## **ACCESS AGREEMENT**

**CONSENT FOR ACCESS TO PROPERTY**

The Northern Trust Company  
Successor by Merger To

This Consent for Access to Property is executed this 27<sup>th</sup> day of August, 1998 by The Northern Trust Bank/Lake Forest, as trustee under the 1976 Residuary Trust of John F. Stack (the "Trust").

WHEREAS, title to the property described in Exhibit A (the "Property") is held by Chicago Title and Trust Company as trustee under Land Trust No. 40966 (the "Land Trust"). The beneficiary of the Land Trust is the Trust. The Northern Trust Bank/Lake Forest is the trustee of the Trust.

WHEREAS, U.S. EPA intends to conduct certain response actions at the Property pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §§ 9601 *et seq.* ("CERCLA").

WHEREAS, U.S. EPA has requested that the Trust authorize U.S. EPA and its officers, employees, contractors and authorized representatives to enter and otherwise have access to the Property for the purpose of undertaking certain response actions, more fully described in the Engineering Evaluation and Cost Analysis performed by Ecology and Environment, Inc., dated October 30, 1997.

NOW, THEREFORE, the Trust consents to access to the Property as follows:


1. Without admitting any liability and reserving all rights and defenses, the Trust authorizes U.S. EPA and its officers, employees, contractors and authorized representatives to enter and have continued access to the Property, during the pendency of this Consent for Access to Property, for the following purposes only:
  - A. Securing the Property and containing hazardous materials present on the Property.
  - B. Conducting sampling and investigatory activity on the Property.
  - C. Consolidating, stockpiling, handling, studying, treating and disposing of hazardous materials.
  - D. Performing other actions to investigate contamination on the Property that U.S. EPA may determine to be necessary.
  - E. Taking any response action pursuant to CERCLA necessary to address any release or threatened release of a hazardous substance, pollutant or contaminant which U.S. EPA determines may pose an imminent and substantial endangerment to the public health or the environment.

2. As a condition of, and inducement to enter into, this Consent for Access to Property, U.S. EPA has agreed to cause all contractors, subcontractors and consultants performing, directing or taking part in any work or activities at the Property to maintain insurance coverages at least in the types and limits set forth in Exhibit B attached hereto. Said exhibit being a Certificate of Insurance forwarded by John J. O'Grady of U.S. EPA to Robert M. Baratta, Jr. on August 27, 1998.

3. This Consent for Access to Property, unless extended in writing by the Trust, will terminate on August 1, 1999.

The Northern Trust Company  
Successor By Merger to

**THE NORTHERN TRUST BANK/LAKE FOREST,  
AS TRUSTEE UNDER THE 1976 RESIDUARY  
TRUST OF JOHN F. STACK**

By:   
Its: VICE PRESIDENT  
Dated: AUGUST 27, 1998



**EXHIBIT A**

An approximate 6.4 acre parcel of land located at the northeast corner of Commonwealth Avenue and 22nd Street in North Chicago, Lake County, Illinois. The property is bordered on the north by elevated tracks of Elgin, Joliet & Eastern Railroad, on the east by Fansteel, on the south by 22nd Street (a/k/a Martin Luther King, Jr. Drive) and on the west by Commonwealth Avenue. Emco Chemical Distributors, Inc. is located on the west side of the property, west of Commonwealth Avenue.

ACORD

CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)  
08/18/98

## PRODUCER

J&H Marsh & McLennan of PA, Inc.  
816 PPG Place, Suite 300  
Pittsburgh, PA 15222-6499  
Attn: Michael A. Connelly  
(412)552-5048  
17500-88-88 2MPRP IT

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND  
CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE  
DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE  
POLICIES BELOW.

## COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A	National Union Fire Insurance Co of Pittsburgh, PA
COMPANY LETTER	B	Insurance Company of the State of Pennsylvania
COMPANY LETTER	C	N/A
COMPANY LETTER	D	N/A
COMPANY LETTER	E	Commerce & Industry Insurance Company

## INSURED

International Technology Corp. IT  
Corporation & its Majority Owned  
Subsidiary Corporations  
2780 Mossdale Boulevard  
Mentorville, PA 15146-2782

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD  
INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS  
CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS,  
EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTY	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
E	GENERAL LIABILITY	3408283	04/01/98	04/01/99	GENERAL AGGREGATE	\$ 2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP. & AGG.	\$ 2,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV. INJURY	\$ 2,000,000
	<input type="checkbox"/> OWNERS & CONTRACTORS PROT.				EACH OCCURRENCE	\$ 2,000,000
	<input type="checkbox"/>				PROP. DAMAGE (Any one fire)	\$
	<input type="checkbox"/>				NON PROP. (Any one person)	\$
A	AUTOMOBILE LIABILITY	DA-320-87-63 (AOB) DA-320-87-64 (TX)	04/01/98	04/01/99	COMBINED SINGLE LIMIT	\$ 2,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE	\$
	<input type="checkbox"/> HIRED AUTOS					
E	EXCESS LIABILITY	6081738	04/01/98	04/01/99	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> UMBRELLA FORM				AGGREGATE	\$ 1,000,000
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM					
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	RMWC883-93-97(AOB) RMWC883-94-18(CA) RMWC883-94-02(ELA) RMWC883-93-75(ORUT)	04/01/98	04/01/99	<input checked="" type="checkbox"/> STATUTORY LIMITS	
	EACH ACCIDENT	\$ 2,000,000				
	DISMEMBER-POLICY LIMIT	\$ 2,000,000				
	DEATH-PER EMPLOYEE	\$ 2,000,000				
	OTHER					

DESCRIPTION OF OPERATIONS, LOCATIONS, VEHICLES, SPECIAL ITEMS (LIMITS MAY BE SUBJECT TO RETENTION)

Transstar/EL&E Railway Company, their Officers, Directors, Stockholders, Employees, and Agents are Named as Additional Insured as  
respects the attached Additional Insured Indorsement. See Attached Waiver of Subrogation.  
Re: 11 Job No. 920872. Contract No. 49-94-00083. Coverage is provided within 30 feet of the railroad.

EL&E Railway Company  
One North Buchanan Street  
Gary, IN 46402

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE  
EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO  
MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE  
LEFT. IF FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR  
LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

*Paul H. H. H.*

**APPENDIX B**  
**PRE-CONSTRUCTION MEETING MINUTES**

# MEMO

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**DATE:** August 28, 1998

**TO:** Joe Nolan, USACE Rapid Response

**FROM:** James Horn, OHM/IT Corp.

**PC:** Tom Westenburg, USACE Rapid Response  
Brad Benning, USEPA Region V  
Tom Warren, OHM/IT Corp.

**RE:** Preconstruction meeting with the City of North Chicago, North Chicago Fire Dept., North Chicago Police Dept., USEPA, USACE, OHM/IT Corp., EMCO, Fansteel Corp., and R. Levin & Sons.

This memo is a record of questions and answers that were brought up during an informational meeting which was held on August 11, 1998. Attached is a listing of the attending parties.

**Question:**

What will the working schedule be?

**Answer:**

We plan on working 10 hours a day and 6 days a week, weather permitting, and we do work in the rain.

**Question:**

How long will the project last?

**Answer:**

The complete project was estimated for 71 days of which 42 days was planned for the on-site activities.

**Question:**

Will local traffic be affected or changed?

**Answer:**

We don't anticipate having a major impact on the local traffic. Signs will be posted identifying an increase of truck traffic during the load out operations. We plan on keeping the trucks off of the streets, as much as possible, through scheduling and allowing them to pull onto the property.

**Question:**

Will there be parking restriction imposed?

**Answer:**

We will attempt to minimize the impact on parking, knowing that parking is a premium in this area.

**Question:**

When will you ship the waste out for disposal?

**Answer:**

We plan on shipping 6 days a week, which will be dependant on the Disposal facility.

**Question:**

How do you plan on leaving the property?

**Answer:**

The plans are to backfill up to the original grade then have it seeded.

**Question:**

Where do you plan on sending the excavated materials, a Wisconsin Disposal Facility?

**Answer:**

Several Disposal facilities have been identified but final decisions as to which ones we plan on using have not been made at this time.

**Question:**

Will you wait to backfill after you are done excavating?

**Answer:**

We plan on backfilling right behind the excavation activities.

**Question:**

How do we plan on keeping the city streets clean.

**Answer:**

We have a decon pad where all of the trucks leaving our site will have their wheels cleaned with a pressure washer before pulling out of the gates.

**Question:**

Who do we call or refer inquiries to, should we field local community questions?

**Answer:**

Brad Benning will be on site from time to time, and his phone number (847-473-4098) will be posted on the gate. The USEPA also has a public relations person, Naomi Emrick, who will also be glad to field any questions. Jim O'grady may also be available should the need arises. Phone numbers were given at this time.

**Question:**

Will you have site security?

**Answer:**

We have already employed Metro Security services, but only for non-working hours.

**Question:**

Will you need any Emergency Services

**Answer:**

We have contacted the local Fire Department, Ambulance service, Police department, and St. Therese Hospital. Their phone numbers and directions to the Hospital are posted.

**Question:**

*Have trucking routes been identified?*

**Answer:**

Not at this time, but we do only plan on using routes capable of handling the truck traffic.

**Question:**

Having fenced in the property, if we need access due to an emergency will we be able to access the property?

**Answer:**

We have fenced in one of Commonwealth Edison's main transmission poles and fenced off access to another one of their poles. If there is a special situation where there is a need to access the transmission poles we will work with Commonwealth, to allow access.

**Question:**

Do we plan on leaving the fence up or will we take it down?

**Answer:**

We can leave it up or take it down, there were no plans to remove it at this time.

**Comment:**

The city would have preferred not to have barb wire on the fence. There is a city ordinance not to install barb wire on new fence installations.

**Question:**

When do we plan on starting the excavation?

**Answer:**

We plan to start within about 2 weeks.

**Question:**

Do we plan on sending out flyers or informational inquiries?

**Answer:**

If any one has any questions regarding this site they can contact the USEPA. We will also run an ad in the local paper to let people know when we plan to start the trucking operations.

**Question:**

Are we going to clean the creek?

**Answer:**

The creek is not part of this phase at this time, but the USEPA is may include it if the funding is available.

**Comment:**

EMCO and Fansteel have been very cooperative with supporting our activities. Appreciation was given to EMCO for providing the facilities for this meeting.

**Question:**

Do we plan on leaving the stone, which was placed for the office trailers.

**Answer:**

The stone placed in the support area is also part of the planned removal. The stone is being used as a barrier, to separate us from the contaminants.

**Request:**

The City of North Chicago Building Commissioner requested a copy of the work plan.

**Comment:**

It was mentioned that 2 copies were given to the City of North Chicago Engineer, Bruce Burris.

**Comment:**

The personnel directly involved with this project are;

John O'Grady	USEPA, Region V
Brad Benning	USEPA, Region V
Tom Westenburg	USACE, Rapid Response
Joe Nolan	USACE, Rapid Response
Tom Warren	OHM/IT Corp.
James Horn	OHM/IT Corp.

Information generated to support this project, has come from the;

Engineering and Evaluation Report  
Work Plan  
Site Safety and Health Plan

**Comment:**

We plan on bridging the creek so the trucks can enter the property from the west side of the property and exit the support zone area onto Martin Luther King Jr. Drive from the south gate.

**Question:**

Will the City of North Chicago be provided with the plans for the temporary creek bridge? What size culvert do we plan on installing and will it meet the 10 year storm requirements?

**Answer:**

We can provide a copy of the plans for a temporary dirt bridge. The culvert dimensions will meet or exceed the existing culverts now in place.

**Question:**

Site drainage, will it be changed or impacted?

**Answer:**

We plan on backfilling to the original grade. At this time it looks as though the site naturally drains to the creek.

**Question:**

Future use of the property, will the government take ownership of the property and how clean will the site be once this project has been completed?

**Answer:**

The clean up criteria established for this property was for a light industrial lead standard of <1400 PPM. For residential the standard is < 400 PPM. Future use of the site has not been discussed at this time. It is in a trust and the USEPA is not interested in owning property or maintaining it as unusable. Although the USEPA does have an interest in recovering, if not all, some of the costs to this clean up. The USEPA will work with the County, City, etc. to make use of this property.

**Question:**

Once the clean up is over with, will there be construction limitations attached to the lease that will forbid building construction?

**Answer:**

The USEPA does not anticipate this as being a problem or even an issue once the clean up activities have been completed.

**Question:**

What do we plan on doing about the dust from the site activities?

**Answer:**

The project work plan has incorporated a water truck to control dust emissions, in addition, water hoses will also be utilized as needed. Dust emissions are a major concern and we plan on being proactive so it will not be an issue.



**Question:**

Is there a final grading plan?

**Answer:**

The plan is to backfill to the original grade with a slight slope to the creek, which may or may not entail some minor reshaping.

**Question:**

When will the backfill start?

**Answer:**

There may be a 2 to 3 week lag between the excavation activities and backfilling activities, but we still plan on starting the backfilling as soon as the activities allow us. Backfilling is planned on being concurrent with the excavating activities.

**Question:**

Are you planning on removing all of the trees?

**Answer:**

If we don't clean the creek, not all of the trees will be removed.

U. S. ARMY CORPS OF ENGINEERS, OMAHA DISTRICT  
RAPID RESPONSE  
RECORD OF ATTENDANCE

PROJECT: Vulcan Louisville Smelting Site, DACW45-94-D-0005,  
Delivery Order No. 55.

LOCATION: North Chicago, IL.

MEETING: Preconstruction

DATE: 8/11/98

NAME (Please Print)	TITLE	ORGANIZATION	PHONE NO.
---------------------	-------	--------------	-----------

JOE NO/AN	CON REP	USACE	302-5775
SMART LEVY	OPS mgr	EMCO	689-2200
TOM WARREN	Project Manager	OHM/IT.	(630) 759-9462
RICHARD TURNER	CHIEF	NCFD	847-578-7757
BRUCE BURNIS	City Eng.	North Chicago	578-7742
JOHN O'GUARDY	RPM	USEPA	(312) 886-1477
BRAD BENNING	OSC	USEPA	312 353-7613
Dennis Caldwell	Env. Coordinator	R. Levin & Sons	689-4300
Tom Westenberg	US Army Corps/Engns	Project Engineer	402/293-2530
GENE KACMARCIK	SUPV. FACILITY ENGR	FANSTEEL	847/689-4900
Mike McEntee	VP-CFO	Fansteel	847/689-4900
Gerald V. Pedrin	Dep. Police Chief	N.C. PD	847-578-7784
STEVE SABOURIN	CD+P	CITY OF NO CHGO.	(847) 578-7754
JAMES C. STARK	Building Commissioner	N. Chicago	847-578-7435
JACK P. JORDAN	ASST Building Commissioner	N. Chicago	847-578-7765

## RECORD OF ATTENDANCE

Delivery Order No. 55.

LOCATION: North Chicago, IL.

**MEETING: Preconstruction**

DATE: 8/11/98

<b>NAME</b>	<b>(Please Print)</b>	<b>TITLE</b>	<b>ORGANIZATION</b>	<b>PHONE NO.</b>

Laura Gurvey General Counsel EMC Chemical 689-2200

**APPENDIX C**  
**RAILROAD ACCESS AGREEMENT**

**EJ&E RAILWAY COMPANY**  
MAINTENANCE OF WAY DEPARTMENT  
1 NORTH BUCHANAN STREET  
GARY, IN 46402  
FAX # (219) 883-4257

DATE: 9/15

TO: Joe Loretto FROM: Lina Frost  
COMPANY: OHM PHONE: \_\_\_\_\_  
FAX # \_\_\_\_\_ # OF PAGES TO FOLLOW: 2

MESSAGE: Following is a Imp. Permit  
for your job 920892 - North Chicago.

cy: MSH } W.O. 1365  
RWW } if flagging is necessary

\*\*\*\*\*  
THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR  
ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT  
IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE.

If the reader of this message is not the intended recipient or an employee or agent responsible for  
delivering the message to the intended recipient, you are hereby notified that any dissemination,  
distribution, or copying of this communication is strictly prohibited. If you have received this  
communication in error, please notify us immediately by telephone and return the original message  
to us by mail. Thank you.

If there are any problems receiving this telecopy, please call 219-883-4306.

AUG 31 '98 08:24AM

**EJ&E RAILWAY COMPANY  
TEMPORARY PERMIT TO ENTER UPON PROPERTY**

PERMISSION is hereby granted this 21 day of SEPTEMBER, 1998 to OHM/INTERNATIONAL TECHNOLOGY CORP. hereinafter called "Permittee" to enter property of the EJ&E Railway, hereinafter called "Railroad", for the purpose of OBTAINING SAMPLES AND EXCAVATING POTENTIALLY CONTAMINATED SOIL in the County of \_\_\_\_\_, City of NORTH CHICAGO in the State ILLINOIS under the following terms and conditions:

1. **LOCATION AND ACCESS:** MARTIN LUTHER KING DR. & COMMONWEALTH AVE.
2. **LIABILITY:** Permittee shall release, indemnify, defend, and save harmless the Railroad and any of its parent, subsidiary and affiliated companies, its or their directors, officers, employees, agents, contractors, subcontractors and suppliers (except Permittee and any of its agents, contractors, subcontractors and suppliers), from and against any and all detriment, damages, losses, claims, liabilities, demands, suits, costs or expenses, including counsel fees, which the Railroad may suffer, and become obligated to pay or sustain, or be subject to, directly or indirectly, for personal injury, death or property damage suffered by anyone whatsoever (including Railroad and Permittee and their employees) and arising out of or caused either wholly or in part by reason of work performed on the Railroad's property by Permittee and/or his contractor, agents, employees, subcontractors and suppliers, regardless of the Railroad's fault or negligence. Permittee agrees that his use of the property and right of way of the Railroad will be in compliance and conformity with all applicable laws, ordinances, rules, regulations and requirements of all public authorities.
3. **CONSIDERATION:** Permittee will pay to the Railroad the sum of TWO HUNDRED AND FIFTY dollars (\$250) in partial consideration for the preparation of this permit.
4. **STARTING OF USE OF PROPERTY:** Permittee or his contractor shall notify in writing the Chief Engineer, or his designee, at least fourteen (14) days in advance before entering upon or starting any work upon Railroad property. No entry or use of Railroad property will be permitted until this permit is signed, charges thereunder paid, and written permission received from the Chief Engineer, D. R. Ojard. When requested, plans and/or a written description of the proposed work methods will be required. The permittee shall provide the following information for all contractors and subcontractors:  
  
Name of Firm OHM/IT Corp  
Home Office Address 3790 Mosside Blvd. Monroeville PA 15146  
Project Supervisor with Phone Number Jim Horvath (842) 473-1693  
On-Site Contact Person with Phone Number Jim Horvath (842) 473-1693  
Subcontractor name None
5. **SAFETY EQUIPMENT:** Each contractor employee, as a minimum, must wear a hard hat, steel toed safety boots with a minimum 8" height, safety glasses and other protective equipment as required for the task, e.g. gloves or respirator.
6. **RAILROAD OPERATIONS:** All operations shall be carried on in such a manner so as not to interfere with Railroad property and operations or the use of any Railroad facilities. If, in the opinion of the said Chief Engineer of the Railroad, or his designee, conditions warrant at any time, the Railroad will provide flag service and protection and/or engineering inspection at the expense of the Permittee, and Permittee agrees to pay to the Railroad the full cost and expense therefor.
7. **CROSSING TRACK:** In no event shall equipment or material be transported across a track or tracks without special written permission and with at least written notice of forty-eight (48) hours in advance, so that the Railroad may arrange for the necessary flag protection at the expense of the Contractor and Contractor agrees to pay to the Railroad the full cost and expense therefor. Such written permission shall be obtained from the said Chief Engineer of the Railroad or his designee.

6062655322

FROM Ashland Exploration 6062655322

09-02-98 08:05PM TO

12198834257

P.2/5

-2-

8. **CLEARANCES:** All equipment working on or material in use upon the property of the Railroad shall be kept at all times not less than fifteen (15) feet from the nearest rail of any track, or as subsequently modified in writing by the said Chief Engineer or his designee. The Permittee and/or his contractor shall conduct his operations so that no part of his equipment shall foul an operated track, transmission, signal or communication lines, or any other structure of the Railroad.

9. **RESTORATION OF PREMISES:** Upon completion of the work, the Railroad's property shall be left in a condition satisfactory to the Railroad. This includes, without limitation, the restoration immediately of any fences removed.

10. **TERM OF PERMIT:** Unless subsequently modified or terminated, this permit shall extend until OCT. 20, 1998 at which time it shall expire automatically. The Permittee agrees to notify, in writing, the Railroad when use of the property or work is completed. Under no circumstances shall this temporary permit be construed as granting the Permittee any right, title or interest of any kind or character in, or about the land or premises of the Railroad.

11. **INSURANCE:** Permittee and his contractor shall furnish the Chief Engineer of the Railroad, or his designee, written evidence of his insurance coverage which must be in full force throughout this agreement. Said insurance shall be at the expense of permittee or contractor and shall be in compliance with the conditions described on exhibit attached.

12. **MODIFICATIONS IN WRITING ONLY:** Any modification, addition or deletion to this Agreement shall be in writing and signed by the parties thereto.

**ASSIGNABILITY:** Permittee shall not assign its rights and liabilities under this Agreement to another party without Railroad's written consent.

14. **SURVIVAL CLAUSE:** Termination of this Agreement, for whatever reason, shall not diminish or affect in any way any rights or obligations which accrued under this Agreement prior to such termination.

15. **SEVERABILITY:** Any terms within this Agreement which are adjudged or construed to be illegal, invalid or unconstitutional shall be stricken from the Agreement. The unaffected terms of this Agreement shall remain in effect as though the illegal, invalid or unconstitutional terms never were a part of this Agreement.

16. **ENTIRE AGREEMENT:** This written document represents the entire agreement and understanding of the parties. No prior terms, provisions, understandings, negotiations or promises are a part of this Agreement unless embodied herein.

To confirm your acceptance of the above conditions, please return both signed copies of permit to this office at One North Buchanan Street, Gary, Indiana 46402.

AGREED TO AND ACCEPTED:  
OHM INTERNATIONAL TECHNOLOGY CORP.

BY: [Signature]

TITLE: Project Manager

DATE: 9/2/98

EJ&E RAILWAY COMPANY

BY: [Signature]

TITLE: Chief Engineer

DATE: 9/4/98

**ELGIN, JOLIET AND EASTERN RAILWAY COMPANY**

1 NORTH BUCHANAN STREET • GARY, INDIANA 46402

219 / 883-4307 • FAX 219 / 883-4257

DENNIS R. OJARD, P.E.  
CHIEF ENGINEER

October 30, 1998

Mr. Joe Gaietto  
OHM Corporation  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

RE: OHM Job #920892  
North Chicago Job Site

Mr. Gaietto:

Reference is made to OHM's Temporary Permit to use EJ&E property to obtain samples and excavate contaminated soil near the intersection of Martin Luther King Dr. and Commonwealth Avenue in North Chicago, Illinois.

It has come to my attention that your permit expired on October 20, 1998 and that your work at subject location is not yet complete. I have extended the expiration of the permit until November 20, 1998 (copy attached). Please arrange to forward a check in the amount of \$300 to cover the additional 30 days of participation in our Blanket Railroad Protective Insurance policy.

If your work will not be complete prior to the November 20 expiration, please contact this office.

Sincerely,

Dennis R. Ojard, P.E.  
Chief Engineer

attachment



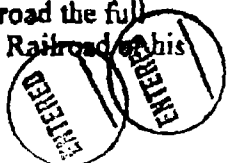
**EJ&E RAILWAY COMPANY  
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1. **LOCATION AND ACCESS:** MARTIN LUTHER KING DR. & COMMONWEALTH AVE.
2. **LIABILITY:** Permittee shall release, indemnify, defend, and save harmless the Railroad and any of its parent, subsidiary and affiliated companies, its or their directors, officers, employees, agents, contractors, subcontractors and suppliers (except Permittee and any of its agents, contractors, subcontractors and suppliers), from and against any and all detriment, damages, losses, claims, liabilities, demands, suits, costs or expenses, including counsel fees, which the Railroad may suffer, and become obligated to pay or sustain, or be subject to, directly or indirectly, for personal injury, death or property damage suffered by anyone whatsoever (including Railroad and Permittee and their employees) and arising out of or caused either wholly or in part by reason of work performed on the Railroad's property by Permittee and/or his contractor, agents, employees, subcontractors and suppliers, regardless of the Railroad's fault or negligence. Permittee agrees that his use of the property and right of way of the Railroad will be in compliance and conformity with all applicable laws, ordinances, rules, regulations and requirements of all public authorities.
3. **CONSIDERATION:** Permittee will pay to the Railroad the sum of TWO HUNDRED AND FIFTY dollars (\$250) in partial consideration for the preparation of this permit.
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Name of Firm OHM/IT Corp  
 Home Office Address 2792 Mosside Blvd. Monroeville PA 15146  
 Project Supervisor with Phone Number Jim Horn (842) 473-1693  
 On-Site Contact Person with Phone Number Jim Horn (842) 473-1693  
 Subcontractor name N/A

5. **SAFETY EQUIPMENT:** Each contractor employee, as a minimum, must wear a hard hat, steel toed safety boots with a minimum 8" height, safety glasses and other protective equipment as required for the task, e.g. gloves or respirator.
6. **RAILROAD OPERATIONS:** All operations shall be carried on in such a manner so as not to interfere with Railroad property and operations or the use of any Railroad facilities. If, in the opinion of the said Chief Engineer of the Railroad, or his designee, conditions warrant at any time, the Railroad will provide flag service and protection and/or engineering inspection at the expense of the Permittee, and Permittee agrees to pay to the Railroad the full cost and expense therefor.
- . **CROSSING TRACK:** In no event shall equipment or material be transported across a track or tracks without special written permission and with at least written notice of forty-eight (48) hours in advance, so that the Railroad may arrange for the necessary flag protection at the expense of the Contractor and Contractor agrees to pay to the Railroad the full cost and expense therefor. Such written permission shall be obtained from the said Chief Engineer of the Railroad or his designee.



-2-

8. **CLEARANCES:** All equipment working on or material in use upon the property of the Railroad shall be kept at all times not less than fifteen (15) feet from the nearest rail of any track, or as subsequently modified in writing by the said Chief Engineer or his designee. The Permittee and/or his contractor shall conduct his operations so that no part of his equipment shall foul an operated track, transmission, signal or communication lines, or any other structure of the Railroad.

9. **RESTORATION OF PREMISES:** Upon completion of the work, the Railroad's property shall be left in a condition satisfactory to the Railroad. This includes, without limitation, the restoration immediately of any fences removed.

10. **TERM OF PERMIT:** Unless subsequently modified or terminated, this permit shall extend until NOV. 20, 1998 at which time it shall expire automatically. The Permittee agrees to notify, in writing, the Railroad when use of the property or work is completed. Under no circumstances shall this temporary permit be construed as granting the Permittee any right, title or interest of any kind or character in, or about the land or premises of the Railroad.

11. **INSURANCE:** Permittee and his contractor shall furnish the Chief Engineer of the Railroad, or his designee, written evidence of his insurance coverage which must be in full force throughout this agreement. Said insurance shall be at the expense of permittee or contractor and shall be in compliance with the conditions described on exhibit attached.

12. **MODIFICATIONS IN WRITING ONLY:** Any modification, addition or deletion to this Agreement shall be in writing and signed by the parties thereto.

13. **ASSIGNABILITY:** Permittee shall not assign its rights and liabilities under this Agreement to another party without Railroad's written consent.

14. **SURVIVAL CLAUSE:** Termination of this Agreement, for whatever reason, shall not diminish or affect in any way any rights or obligations which accrued under this Agreement prior to such termination.

15. **SEVERABILITY:** Any terms within this Agreement which are adjudged or construed to be illegal, invalid or unconstitutional shall be stricken from the Agreement. The unaffected terms of this Agreement shall remain in effect as though the illegal, invalid or unconstitutional terms never were a part of this Agreement.

16. **ENTIRE AGREEMENT:** This written document represents the entire agreement and understanding of the parties. No prior terms, provisions, understandings, negotiations or promises are a part of this Agreement unless embodied herein.

To confirm your acceptance of the above conditions, please return both signed copies of permit to this office at One North Buchanan Street, Gary, Indiana 46402.

AGREED TO AND ACCEPTED:  
OHM INTERNATIONAL TECHNOLOGY CORP.

BY: [Signature]TITLE: Project ManagerDATE: 9/2/98

EJ&amp;E RAILWAY COMPANY

BY: [Signature]TITLE: Chief EngineerDATE: 9/4/98

**APPENDIX D**  
**WASTE PROFILE FORMS**



BFI WASTE CODE

## WASTE APPROVAL REQUEST

BFI to complete this area.

BFI Initiator: \_\_\_\_\_

Location: \_\_\_\_\_

Company Number: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_

Fax: ( ) \_\_\_\_\_

Date: \_\_\_\_\_

Action Requested: ☒ New Waste Approval☐ Up-Date Approval - Previous Number: \_\_\_\_\_

Disposal Site Requested: \_\_\_\_\_

Company Number: \_\_\_\_\_

Management Method Requested: ☒ Landfill ☐ Hauling☐ Other: \_\_\_\_\_WASTE CHARACTERIZATION DATA  
SPECIAL WASTE

IMPORTANT: INFORMATION FOR PHYSICAL COMPLETION OF THIS FORM MUST BE OBTAINED FROM AN AUTHORIZED REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

## 1. GENERATOR INFORMATION

a) Generator's Name: United States Environmental Protection Agencyb) Generating Facility's Address: 1120 Martin Luther KingCity: North Chicago State: IL Zip: 60064Generator's Representative: John O'GradyTitle: Remedial Project ManagerTelephone: (312) 886-4071Fax: ( ) N/Ad) Emergency/Information Contact: Don SeemTitle: T&DTelephone: (314) 272-3303e) State/Provincial/Local Registration No.: 0971255097Dr. Generator's EPA Id. No.: ILR000054759Industry Description/SIC Code Superfund/9999

## Billing Information

f) Customer's Name: OHM / IT Corpg) Customer's Mailing Address: 1120 Martin LutherCity: North Chicago State: IL Zip: 60064h) Billing Contact: Joe GaiettaTelephone: (847) 473-1693Fax: (847) 473-1697

## 2. GENERAL WASTE STREAM INFORMATION

a) Name/Description of the Waste: Lead impacted treated soils.

b) Process Generating the Waste: A lead smelting facility which contaminated the facility area during a manufacturing process. The soil and debris initially exhibited characteristics of a RCRA hazardous waste but through chemical fixation/stabilization, produced acceptable levels below regulated limits.

c) Is this waste a characteristically hazardous waste as per 40 CFR 261.21-24? ☐ Yes ☒ No ☐ N/Dd) Is this waste an F,K,P, or U listed hazardous waste as per 40 CFR 261.32-33? ☐ Yes ☒ No ☐ N/De) Is this waste a treatment residue of a waste which was previously a characteristically hazardous waste? ☒ Yes ☐ No ☐ N/D

If yes, describe the waste, applicable code(s), and the process generating the waste prior to treatment. The soils and debris contained levels of lead above the regulatory levels of 5ppm. The applicable

waste code was (D008) and based on confirmatory analysis, will be treated to below these standards. Lead smelting facility was the process.

f) Is this a "Hazardous Waste" as defined by State, Provincial, or Local Regulations? ☐ Yes ☒ No ☐ N/D

If yes, enter the Waste Identification Number if one has been assigned: \_\_\_\_\_

g) Recommended personal protection equipment and special handling procedures: Wear proper protective clothing when working with this waste stream.

BFI WASTE CODE

## 3. WASTE PROPERTIES AT 72°F

- a) Physical State: ☒ Solid ☐ Semi-solid ☐ Powder ☐ Free Liquid ☐ Combination
- b) Reactivity: ☐ Water Reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autopolymerizable  
☐ Pyrophoric ☐ Explosive ☐ Thermally Sensitive ☐ Shock Sensitive ☒ None of the above
- c) Flash Point, °F:  
☐ ≤ 72 ☐ 73-100 ☐ 101-140 ☐ 141-200 ☒ ≥ 201 N/A ☐ N/D
- d) pH:  
☐ ≤ 2 ☐ 2.1 - 5.0 ☐ 5.1 - 9.0 ☒ 9.1 - 12.4 ☐ ≥ 12.5 ☐ N/A ☐ N/D
- e) Odor - describe \_\_\_\_\_  
☒ None ☐ Mild ☐ Strong

## 4. WASTE COMPOSITION

Please provide a breakdown of the waste stream based upon generator knowledge of the waste and the process(s) generating the waste stream.

## Does this waste contain any of the following:

- ☐ Free Cyanide
- ☐ Free Sulfide
- ☐ Organic Solvents
- ☐ OSHA Substances
- ☐ Radioactive Materials
- ☐ Virgin Oils
- ☐ Used Oils
- ☐ Etiological Agents
- ☐ PCB'S not regulated by TSCA 40 CFR 761
- ☒ None of the Above

If any of the above are marked, please specify in waste breakdown at right

## Components/Contaminants

## Range (%)

Soil	95%-100%
Lead	.005%-.05%
Avenmaq & Enviropho/ see attached MCDS	4%-6%

## 5. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: RO, Environmentally Hazardous Substances, Solid n.o.s. (Lead)

USDOT Hazard Class: 9 UN or NA Number: UN3077 CERCLA Reportable Quantity RO=101b

## 6. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exist, that all known or suspected hazards have been disclosed, analytical results submitted are accurate and representative of the waste (per SW846), and that the waste is not a regulated hazardous waste by the USEPA, by an applicable State or Provincial authority, or by any applicable local authority, and does not contain PCBs regulated by TSCA (i.e., 40 CFR 761) or any Provincial authority.

GENERATOR'S AUTHORIZED SIGNATORY: ON BEHALF OF THE USEPA

XX DATE: 10/14/98

XX PRINT NAME: Joseph D. Nolan XX SIGNATURE: Joseph D. Nolan XX TITLE: OSR USACE

XX TELEPHONE: (847) 473-1695 XX FAX: (847) 473-1697  
OMAHA 402 299-2500 402 291-2177

October 14, 1998

Mr. Jim Lewis  
Facility Manager  
BFI / Zion Landfill  
701 Green Bay Road  
Zion, IL. 60099  
(847) 731-5110 ext 224  
(847) 746-0666

Mr. Lewis,

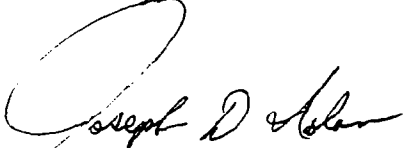
This following is a response and certification, that has been requested by your facility (BFI / Zion Landfill; Zion, IL.), regarding the waste stream at the USEPA Vacant Lot Site, 1120 Martin Luther King Drive at North Chicago, IL. 60064.

In accordance with 40 CFR 268.2(k) the waste stream definition is as follows:

**Soil means unconsolidated earth material composing the superficial geologic strata (material overlying bedrock), consisting of clay, silt, sand, or gravel size particles as classified by the U.S. Conservation Service, or a mixture of such materials with liquids, sludges or solids which is inseparable by simple mechanical removal processes and is made up primarily of soil by volume based on visual inspection.**

Based on this definition, the site profiled waste stream (BFI-45882) meets the definition of soil. If there are further questions or concerns, please feel free to contact me.

Sincerely,



Joseph D. Nolan  
United States Army Corps of Engineers  
On Behalf of USEPA  
Vacant Lot Site  
1120 Martin Luther King Drive  
North Chicago, IL. 60064  
(847) 473-1695  
(847) 473-1697/ Fax

## Special Waste Preacceptance Form (Profile Identification Sheet)

Facility Name: Vacant Lot Site Facility I.D. No.: ILR000054759  
 Facility Address: 1120 Martin Luther King Dr Generator Contact Person: John O'Grady  
 Generator Name: USEPA Generator Mailing Address: Same  
 (If Different)  
 Generator Address: 77 West Jackson Blvd Phone Number: (312) 353-7613  
 IL Generator I.D. No.: 0971255097 Transporter: Jack Gray Transport, Inc.  
 Generator SIC Code: 9999 Transporter Phone: (800) 537-9813

This is a xxx Pollution Control Waste, Industrial Process Waste as defined in Section 3 of the Act.

Process Description: Lead impacted soils that were treated to below regulated levels.  
 Generic Waste Name: Lead impacted soil Ultimate Disposal: direct landfill

## Analysis

(leave blank any constituent for which analysis has not been conducted)

Physical Characteristics: Brown solid Major Constituents: Lead / Enviropho & Amenvmag  
 (e.g. color, odor)

Paint Filter Test: Pass Penetrometer Test: N/A  
 (Indicate pass or fail) (Indicate pass or fail in accordance with the procedures in 35 Ill. Adm. Code 729.321)

Waste Phase: Solid Flash Point °F: N/A Percent Solids: 90%-97%  
 (Indicate solid, liquid, semi solid or compressed gas)

Percent Acidity/Alkalinity: N/A pH (for aqueous wastes only): 9.6

Constituent	Regulatory Threshold Level, ppm	PQL (ppm)	Results of the Analysis	Constituent	Regulatory Threshold Level, ppm	PQL (ppm)	Results of the Analysis
D004 Arsenic	5.0	< 5.0	N/A	D026 Cresol	200.00	< 200.00	N/D
D005 Barium	100.0	< 100.0	N/A	D027 1,4-Dichlorobenzene	7.5	< 7.5	N/D
D006 Cadmium	1.0	< 1.0	0.042	D028 1,2-Dichloroethane	0.5	< 0.5	N/D
D007 Chromium	5.0	< 5.0	N/D	D029 1,1-Dichloroethylene	0.7	< 0.7	N/D
D008 Lead	5.0	< 5.0	0.21	D030 2,4-Dinitrotoluene	0.15	< 0.15	N/D
D009 Mercury	0.2	< 0.2	N/D	D031 Heptachlor (and its epoxide)	0.008	< 0.008	N/D
D010 Selenium	1.0	< 1.0	N/D	D032 Hexachlorobenzene	0.15	< 0.15	N/D
D011 Silver	5.0	< 5.0	N/D	D033 Hexachlorobutadiene	0.5	< 0.5	N/D
D012 Endrin	0.02	< 0.02	N/D	D034 Hexachloroethane	3.0	< 3.0	N/D
D013 Lindane	0.4	< 0.4	N/D	D035 Methyl ethyl ketone	200.0	< 200.0	N/D
D014 Methoxychlor	10.0	< 10.0	N/D	D036 Nitrobenzene	2.0	< 2.0	N/D
D015 Toxaphene	0.5	< 0.5	N/D	D037 Pentachlorophenol	100.0	< 100.0	N/D
D016 2,4-D(2,4-Dichloro phenoxyacetic acid)	10.0	< 10.0	N/D	D038 Pyridine	5.0	< 5.0	N/D
D017 2,4,5-TP Silvex	1.0	< 1.0	N/D	D039 Tetrachloroethylene	0.7	< 0.7	N/D
D018 Benzene	0.05	< 0.05	N/D	D040 Trichloroethylene	0.5	< 0.5	N/D
D019 Carbon tetrachloride	0.5	< 0.5	N/D	D041 2,4,5-Trichlorophenol	400.0	< 400.0	N/D
D020 Chlordane	0.05	< 0.05	N/D	D042 2,4,6-Trichlorophenol	2.0	< 2.0	N/D
D021 Chlorobenzene	100.0	< 100.0	N/D	D043 Vinyl Chloride	0.2	< 0.2	N/D
D022 Chloroform	5.0	< 5.0	N/D	Reactive Sulfide			N/D
D023 o-Cresol	200.0	< 200.0	N/D	Reactive Cyanide			N/D
D024 m-Cresol	200.0	< 200.0	N/D	Phenols			1.9
D025 p-Cresol	200.0	< 200.0	N/D	EOX/TOX (circle one)			N/D
				PCBS			N/D

Is the certification form attached which certifies the absence of each constituent for which analysis has not been conducted (non-commingled hazardous waste only): Yes        No XX

The above analysis has been conducted in accordance with SW-846 Test Methods for Evaluation of Solid Waste. I have reviewed the analysis and the attached certification form (if applicable) and determined that the waste will be: XX accepted        rejected in accordance with the terms of our facility operating permit. In addition, I agree to require the generator to recertify annually that this waste has not changed since the preacceptance analysis was conducted.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. on behalf of the USEPA.

X Signature: Joseph D. Nolan  
 (Facility operator or duly authorized Agent)

X Date: 10/14/98

X Printed Name: JOSEPH D. NOLAN

X Title: OSR USACE TJDWAS\m1s1973273S.WP!

Annual Generator Special Waste Recertification for  
Disposal of Special WasteGenerator Name: Vacant Lot SiteIllinois ID #: 0971255097Generic Waste Name: Treated lead impacted soilProcess Which Generated Waste: Smelting facility which contaminated area with lead. Treatment of soil of from process.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I have used intimate knowledge of our process which generates the waste and certify that neither the process generating the waste nor the chemical or physical characteristics of the waste have changed since the preacceptance analysis was conducted on this waste. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

For waste being received for disposal, please certify one of the following by marking it with an "X":

XX There have been no changes in the following since the Special Waste Preacceptance Form was filed:

1. Laboratory analysis (copies to be attached);
2. Raw material in the waste-generating process;
3. The waste-generating process itself;
4. The physical or hazardous characteristics of the waste; and
5. New information on the human health effects of exposure to the waste; or

       The change in the physical or hazardous characteristic of the waste is not sufficient to require a new special waste profile.

Explain: \_\_\_\_\_

On behalf of the USEPA

Signature: Joseph D. Nolan

(Facility operator or duly authorized Agent)

Date: 10/14/98Printed Name: Joseph D. Nolan / USACETitle: Construction Representative

Note to Generator: Preacceptance analysis must be conducted at least every five years in accordance with the receiving facility's permit.

TJD/10/sp/806W/32

AN "ORIGINAL" OF THIS FORM, WHICH HAS BEEN COMPLETED AND SIGNED BY THE GENERATOR, MUST ACCOMPANY EACH LOAD OF WASTE SHIPPED FOR DISPOSAL.

NOTE: THE FORM MUST BE SIGNED AND DATED AT THE TIME THE WASTE IS SHIPPED.





BFI WASTE CODE

## WASTE APPROVAL REQUEST

BFI to complete this area.

BFI Initiator: \_\_\_\_\_

Location: \_\_\_\_\_

Company Number: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_

Fax: ( ) \_\_\_\_\_

Date: \_\_\_\_\_

Action Requested: ☒ New Waste Approval☐ Up-Date Approval - Previous Number: \_\_\_\_\_

Disposal Site Requested: \_\_\_\_\_

Company Number: \_\_\_\_\_

Management Method Requested: ☒ Landfill ☐ Hauling☐ Other: \_\_\_\_\_WASTE CHARACTERIZATION DATA  
SPECIAL WASTE

IMPORTANT: INFORMATION FOR PHYSICAL COMPLETION OF THIS FORM MUST BE OBTAINED FROM AN AUTHORIZED REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

## 1. GENERATOR INFORMATION

a) Generator's Name: United States Environmental Protection Agencyb) Generating Facility's Address: 1120 Martin Luther King Jr DriveCity: North Chicago State: IL Zip: 60064c) Generator's Representative: John O'GradyTitle: N/ATelephone: (312) 886-4071Fax: ( ) N/Ad) Emergency/Information Contact: Don SeemTitle: TxDTelephone: (312) 272-3303e) State/Provincial/Local Registration No.: 0991255097Generator's EPA Id. No.: ILR 000054759Industry Description/SIC Code: Superfund / 9999

## Billing Information

f) Customer's Name: OHM Remediation Services Corpg) Customer's Mailing Address: PO Box 4647City: Trenton State: NJ Zip: 08650h) Billing Contact: Rich PesselTelephone: (609) 588-6409Fax: (609) 584-6344

## 2. GENERAL WASTE STREAM INFORMATION

a) Name/Description of the Waste:

Lead impacted soil + debrisb) Process Generating the Waste: A lead smelting facility which contaminated facility areaduring manufacturing process. Remedial activities of the site areac) Is this waste a characteristically hazardous waste as per 40 CFR 261.21-24? ☐ Yes ☒ No ☐ N/Dd) Is this waste an F,K,P, or U listed hazardous waste as per 40 CFR 261.32-33? ☐ Yes ☒ No ☐ N/De) Is this waste a treatment residue of a waste which was previously a characteristically hazardous waste? ☐ Yes ☒ No ☐ N/D

If yes, describe the waste, applicable code(s), and the process generating the waste prior to treatment. \_\_\_\_\_

f) Is this a "Hazardous Waste" as defined by State, Provincial, or Local Regulations? ☐ Yes ☒ No ☐ N/D

If yes, enter the Waste Identification Number if one has been assigned: \_\_\_\_\_

g) Recommended personal protection equipment and special handling procedures: \_\_\_\_\_

## 3. WASTE PROPERTIES AT 72°F

Physical State: ☒ Solid ☐ Semi-solid ☐ Powder ☐ Free Liquid ☐ Combinationb) Reactivity: ☐ Water Reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Oxidizer ☐ Autopolymerizable  
☐ Pyrophoric ☐ Explosive ☐ Thermally Sensitive ☐ Shock Sensitive ☒ None of the above

c) Flash Point, °F:

☐ ≤ 72 ☐ 73-100 ☐ 101-140 ☐ 141-200 ☐ ≥ 201 ☒ N/A ☐ N/D

d) pH:

☐ ≤ 2 ☐ 2.1 - 5.0 ☒ 5.1 - 9.0 ☐ 9.1 - 12.4 ☐ ≥ 12.5 ☐ N/A ☐ N/D

e) Odor - describe

☒ None ☐ Mild ☐ Strong

## 4. WASTE COMPOSITION

Please provide a breakdown of the waste stream based upon generator knowledge of the waste and the process(s) generating the waste stream.

Does this waste contain any of the following:

☐ Free Cyanide☐ Free Sulfide☐ Organic Solvents☐ OSHA Substances☐ Radioactive Materials☐ Virgin Oils☐ Used Oils☐ Etiological Agents☐ PCB'S not regulated by TSCA 40 CFR 761☒ None of the Above

If any of the above are marked, please specify in waste breakdown at right

Components/Contaminants

Range (%)

Soil/rock/debris

85-95%

protective clothing/plastic

2-5%

concrete/brick

3-7%

Metal/Receptacles drums

2-4%

Lead

.005-.05%

## 5. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: RQ, Environmentally Hazardous Substances, Solid, LeadUSDOT Hazard Class: 9 UN or NA Number: UN 3077 CERCLA Reportable Quantity: RQ=10 lb

## 6. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exist, that all known or suspected hazards have been disclosed, analytical results submitted are accurate and representative of the waste (per SW846), and that the waste is not a regulated hazardous waste by the USEPA, by an applicable State or Provincial authority, or by any applicable local authority, and does not contain PCBs regulated by TSCA (i.e., 40 CFR 761) or any Provincial authority.

GENERATOR'S AUTHORIZED SIGNATORY:

DATE: 9-8-98PRINT NAME: BRAD Benning SIGNATURE: Brad Benning TITLE: USEPA/OSCTELEPHONE: (312) 353-76 FAX: (312) 353-9176

## Special Waste Preacceptance Form (Profile Identification Sheet)

Facility Name: Vacant Lot SiteFacility I.D. No.: ILP000054759Facility Address: 1120 Martin Luther King DriveGenerator Contact Person: John O'GradyGenerator Name: USEPAGenerator Mailing Address: Same  
(If Different)Generator Address: 77 W. Jackson BlvdPhone Number: 312-353-7613IL Generator I.D. No.: 0971255097Transporter: TBDGenerator SIC Code: 9999Transporter Phone: TBDThis is a: ☒ Pollution Control Waste, ☐ Industrial Process Waste as defined in Section 3 of the Act.Process Description: A smelting facility which contaminated facility area during manufacturing process.Generic Waste Name: Ultimate Disposal:BDL = Below  
detection limitND = Not  
detected

(leave blank any constituent for which analysis has not been conducted)

Physical Characteristics: Brown solid  
(e.g. color, odor)Major Constituents: LeadPaint Filter Test: pass  
(Indicate pass or fail)Penetrometer Test: N/A  
(Indicate pass or fail in accordance with the procedures in  
35 Ill. Adm. Code 729.321)Waste Phase: Solid  
(Indicate solid, liquid, semi solid or compressed gas)Flash Point: °F: >200 Percent Solids: 90.8%Percent Acidity/Alkalinity: N/ApH (for aqueous wastes only): 7.7

	Constituent	Regulatory Threshold Level, ppm	PQL (ppm)	Results of the Analysis		Constituent	Regulatory Threshold Level, ppm	PQL (ppm)	Results of the Analysis
D004	Arsenic	5.0	—	BDL	D026	Cresol	200.00	—	BDL
D005	Barium	100.0	—	6.705 mg/L	D027	1,4-Dichlorobenzene	7.5	—	BDL
	Cadmium	1.0	—	BDL	D028	1,2-Dichloroethane	0.5	—	BDL
	Chromium	5.0	—	BDL	D029	1,1-Dichloroethylene	0.7	—	BDL
D008	Lead	5.0	—	0.416 mg/L	D030	2,4-Dinitrotoluene	0.13	—	BDL
D009	Mercury	0.2	—	BDL	D031	Heptachlor (and its epoxide)	0.005	—	BDL
D010	Selenium	1.0	—	BDL	D032	Hexachlorobenzene	0.15	—	BDL
D011	Silver	5.0	—	BDL	D033	Hexachlorobutadiene	0.5	—	BDL
D012	Endrin	0.02	—	BDL	D034	Hexachloroethane	5.0	—	BDL
D013	Lindane	0.4	—	BDL	D035	Methyl ethyl ketone	200.0	—	BDL
D014	Methoxychlor	10.0	—	BDL	D036	Nitrobenzene	2.0	—	BDL
D015	Toxaphene	0.5	—	BDL	D037	Pentachlorophenol	100.0	—	BDL
D016	2,4-D(2,4-Dichloro phenoxycetic acid)	10.0	—	BDL	D038	Pyridine	5.0	—	BDL
D017	2,4,5-TP Silvex	1.0	—	BDL	D039	Tetrachloroethylene	0.7	—	BDL
D018	Benzene	0.5	—	BDL	D040	Trichloroethylene	0.5	—	BDL
D019	Carbon tetrachloride	0.5	—	BDL	D041	2,4,5-Trichlorophenol	400.0	—	BDL
D020	Chlordane	0.05	—	BDL	D042	2,4,6-Trichlorophenol	2.0	—	BDL
D021	Chlorobenzene	100.0	—	BDL	D043	Vinyl Chloride	0.2	—	BDL
D022	Chloroform	6.0	—	BDL		Reactive Sulfide	—	—	ND
D023	o-Cresol	200.0	—	BDL		Reactive Cyanide	—	—	ND
D024	m-Cresol	200.0	—	BDL		Phenols	—	—	ND
D025	p-Cresol	200.0	—	BDL		EOX/TOX (circle one)	—	—	ND
						PCBs	—	—	ND

Is the certification form attached which certifies the absence of each constituent for which analysis has not been conducted (non-commingled hazardous waste only): Yes ☒ No ☐ Per onceThe above analysis has been conducted in accordance with SW-546 Test Methods for Evaluation of Solid Waste. I have reviewed the analysis and the attached certification form (if applicable) and determined that the waste will be: ☒ accepted ☐ rejected in accordance with the terms of our facility operating permit. In addition, I agree to require the generator to recertify annually that this waste has not changed since the preacceptance analysis was conducted.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature: Brad Benning  
(Facility operator or duly authorized Agent)Date: 7-8-78Printed Name: Brad BenningTitle: USEPA/OSC

TIDMAS\m151973273S.WI

Annual Generator Special Waste Recertification for  
Disposal of Special Waste

Generator Name: Vacant lot Site

Illinois ID #: 0971255097

Generic Waste Name: Lead infected soil + debris

Process Which Generated Waste: <sup>lead</sup> smelting facility which contaminated facility  
area during manufacturing process

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I have used intimate knowledge of our process which generates the waste and certify that neither the process generating the waste nor the chemical or physical characteristics of the waste have changed since the preacceptance analysis was conducted on this waste. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

For waste being received for disposal, please certify one of the following by marking it with an "X":

☒ There have been no changes in the following since the Special Waste Preacceptance Form was filed:

1. Laboratory analysis (copies to be attached);
2. Raw material in the waste-generating process;
3. The waste-generating process itself;
4. The physical or hazardous characteristics of the waste; and
5. New information on the human health effects of exposure to the waste; or

See complete analysis  
in master file.

☐ The change in the physical or hazardous characteristic of the waste is not sufficient to require a new special waste profile.

Explain: \_\_\_\_\_

Signature: Brad Benning  
(Facility operator or duly authorized Agent)

Date: 7-8-98

Printed Name: Brad Benning

Title: USEPA/DSC

Note to Generator: Preacceptance analysis must be conducted at least every five years in accordance with the receiving facility's permit.

CNJ/lc/sp/806W/32

Deer Track Park Landfill  
A Division of USA Waste  
N6757 Waldman Lane  
Watertown, WI 53094

Please check if delivery site: ☐

## Waste Characterization Profile Form

Profile Number

98/95

Kestrel Hawk Park Landfill  
A Division of USA Waste  
1989 Oakes Road  
Racine, WI 53406  
(414) 884-7080  
FAX: (414) 884-7096

Please check if delivery site: ☒

Waste Information to be Reviewed for:

☒ Disposal,☐ Bioremediation, or☐ Solidification

## A. Generator Information

Firm Name USEPA (TW)  
Contact Person Joseph Nolan Jim Horn  
Phone Number (847) 473-1693  
Site Address (where material is generated)  
1120 Martin Luther King Jr.  
North Chicago, IL  
60064

## B. Billing Information

Firm Name IT Group Project 920892  
Address 1120 Martin Luther King Jr. Drive  
North Chicago, IL  
City, State, Zip 60064  
Phone 847-473-1694  
Contact Person Joe Gaietto

## C. Consultant Information

Firm Name OHM  
Firm Address 16406 US Route 224 East  
Findlay, OH 45840  
Contact Person Don Seem, Jim Horn, Phil Cooley  
Phone Number 847-473-1697  
FAX Number 847-473-1697

## D. Hauler Information

Firm Name To Be Determined  
Firm Address \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Phone Number \_\_\_\_\_  
FAX Number \_\_\_\_\_  
Hauler ID \_\_\_\_\_

## E. Waste Information

Waste Name Soil  
Process Generating Waste excavation  
KHP/DTP Waste Category Number A  
Anticipated Waste Volume (include units) 20,000 tons  
Frequency of Generation once  
Name of Lab Performing Analysis Great Lakes Analytical  
Date of Most Recent Analysis 10-9-98  
Physical State @ 25°C solid  
Color DK Brown/Black Odor none  
Comments \_\_\_\_\_

## F. Generator Warranty

The generator warrants, represents and certifies that this waste is not hazardous waste as specified by NR600 or 40CFR261, that his material does not contain more than 50 ppm of PCB materials, and that this information is representative of the waste.

ON BEHALF OF USEPA  
Joseph Nolan OSR  
Generator's Signature Title

JOSEPH D. NOLAN 10/26/98  
Print Name Date

## Instructions

For Category A, B, & C Wastes: Complete Section I  
For Category D Wastes: Complete Section II  
For Category E Wastes: Complete Section III  
For Category F Wastes: Complete Section IV

## G. Landfill Approval

My approval is based upon a review of the information submitted by the generator.

Technical Reviewer Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# MIDWEST REGION GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Waste Profile Sheet Code

MW 471370

Proposed Management Facility

This form is to be used to comply with the requirements of a waste agreement.

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED

Decision Expiration Date: 11

**A. WASTE GENERATOR INFORMATION**

1. Generator Name: United States Environmental Protection Agency 2. SIC Code: Remedial Site  
 3. Facility Address (site of waste generation): 1120 Martin Luther King Drive  
 4. Generator City, State: North Chicago, IL 5. Zip/Postal Code: 60064  
 6. State ID#: 0971255097 EPA ID# ILR 000054759  
 7. Technical Contact: Greg Nordan 8. Phone: (419) 425-6955

**B. WASTE STREAM INFORMATION (See Instructions)**

1. Name of Waste: Lead Contaminated Soils and Debris <sup>former</sup>  
 2. Process Generating Waste: Remediation/Removal of soils and debris associated with Lead smelting facility  
 3. Amount/Units: up to 20,000 tons 4. Type A ☒ Type B ☐  
 5. Special Handling Instructions/Supplemental Information: N/A

B. Incidental Waste Types and Amounts: N/A**C. TRANSPORTATION INFORMATION**1. Method of Shipment: ☐ Bulk Liquid ☐ Bulk Sludge ☒ Bulk Solid ☐ Drum/Box ☐ Other

Supplemental Shipping Information:

Proper U.S. DOT Shipping name: RQ Environmentally Hazardous Substances  
Solid, tox. (Lead)  
 DOT Hazard Class 9, UN 3077, CERCLA Reportable Quantity RQ = 10 LB.

**D. PHYSICAL CHARACTERISTICS OF WASTE (See Instructions) (Omit for Type B)**

1. Color <u>Brown</u>	2. Does the waste have a strong incidental odor? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes; if so, describe: _____	3. Physical State @ 70°F/21°C: <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Semi-Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Powder <input type="checkbox"/> Other: _____	4. Layers <input type="checkbox"/> Multi-layered <input type="checkbox"/> Bi-layered <input checked="" type="checkbox"/> Single Phased	5. Specific Gravity Range <u>1.6 - 1.8</u>	6. Free Liquids <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Volume: _____ %
7. pH: <input type="checkbox"/> ≤ 2 <input type="checkbox"/> > 2-4 <input type="checkbox"/> 4-7 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 7-10 <input type="checkbox"/> 10-12.5 <input type="checkbox"/> ≥ 12.5 <input checked="" type="checkbox"/> Range <input type="checkbox"/> NA					
8. Flash Point: <input type="checkbox"/> None <input type="checkbox"/> < 140°F/60°C <input type="checkbox"/> 140-199°F/60-93°C <input checked="" type="checkbox"/> ≥ 200°F/93°C <input type="checkbox"/> Closed Cup <input checked="" type="checkbox"/> Open Cup					

**E. CHEMICAL COMPOSITION (Omit for Type B) RANGE (MIN-MAX)**

1. <u>Soil</u>	<u>72.7 - 95</u> %
<u>Rock Concrete</u>	<u>3 - 5</u> %
<u>Debris Protective Clothing</u>	<u>2 - 7</u> %
<u>Lead</u>	<u>.005 - .05</u> %
<u>Environmental Contaminants</u>	<u>2 - 4</u> %
<u>(See attached MSDS)</u>	<u>-</u> %
<u>Metal Debris</u>	<u>1 - 2</u> %
	<u>-</u> %
	<u>-</u> %
Total:	<u>100 - 110</u> %

2. Does the waste contain any of the following? (provide concentration if known):

	NO OR LESS THAN	OR ACTUAL
PCB's	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm
Cyanides	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm
Sulfides	<input type="checkbox"/> < 50 ppm	_____ ppm
Phenols	<input checked="" type="checkbox"/> < 50 ppm	_____ ppm

The total composition must be greater than or equal to 100%. (.0001% = 1 ppm or 1 mg/l)

F. DRAINAGE SOURCE (Omit for Type B) (e.g., Drum, Lagoon, Pit, Pond, Tank, Vat) Soil Stockpile

## G. REPRESENTATIVE SAMPLE CERTIFICATION (Omit for Type B)

1. Print Sampler's Name: James Han 2. Sample Date: 10/8/983. Sampler's Title: Project Superintendent4. Sampler's Employer (if other than Generator): OHM/IT Corp

The sampler's signature certifies that any sample submitted is representative of the waste described above pursuant to 40 CFR 261.20(c) or equivalent rules.

5. Sampler's Signature James Han 957391 10/26/98

## H. GENERATOR CERTIFICATION

By signing this profile sheet, the Generator certifies:

1. This waste is not "Hazardous Waste" as defined by USEPA and/or state regulation.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCB's (Polychlorinated Biphenyls).
3. The waste does not contain regulated concentrations of the following pesticides and herbicides: Chlordane, Endrin, Heptachlor (and it's epoxide), Lindane, Methoxychlor, Toxaphene, 2, 4-D, or 2, 4, 5-TP (Silvex).
4. The waste does not contain halogenated compounds such as: tetrachloroethylene, trichloroethylene, methylene chloride, 1, 1, 1-trichloroethane, carbon tetrachloride, chloroform, ortho-dichlorobenzene, dichlorodifluoromethane, 1, 1, 2-trichloro-1, 2, 2-trifluoroethane, trichlorofluoromethane, 1, 1-dichloroethylene, and 1, 2-dichloroethylene at greater than 1% (10,000 ppm) total solvent concentration. This listing includes any combination of the above named halogenated compounds where the total concentration or the sum of the concentrations of the individual compounds exceed 1% or 10,000 ppm on a weight to weight basis.
5. This sheet and the attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
6. The Generator has read and understands the Contractor's Definition of Special Waste included in Part 8.5. of the attached instructions form. All types and amounts of special wastes provided in incidental amounts have been identified in section 8.6. of this form.
7. Analytical data presented herein or attached hereto were derived from testing a representative sample taken in accordance with 40 CFR 261.20(c) or equivalent rules.
8. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

9. Signature Joseph D. Nolan 10. Title Construction Rep.11. Name (Type or Print) Joseph D. Nolan 12. Date 10/26/98

Note: Omit sections D., E., F., and G., for Type B waste.

Comments:

## FIGURE 4.1

## CERCLA OFF-SITE RESPONSE APPROVAL MEMO

Date: 09/02/98 a 10:50hrs Contractor D.O. No.: MCW 7594-A-0005 Bo# 0055  
 Project: Vacant Lot Site ARMY Site Rep.: Joe Nolan  
 Wastestream: Lead impacted city debris  
 TSDF Name/Location: BFI Zinc Landfill - Zinc, IL

EPA Contacts: (Circle person contacted)

REGION	PRIMARY CONTACT	SECONDARY CONTACT
I. Boston (CT, MA, ME, NH, RI, VT)	Lynn Hanifan 617-573-9662	Austine Frawley 617-573-1754
II. New York (NJ, NY, PR, VI)	Greg Zaccardi 212-264-9504	Joel Golumbek 212-264-2638
III. Philadelphia (DE, MD, PA, VA, WV, DC)	Sarah Casper 215-597-1857	Naomi Henry 215-597-8338
IV. Atlanta (AL, FL, GA, KY, MS, NC, SC, TN)	Edmund Burke 404-347-7603 <u>Shelia Burrows - 312-586-3587</u>	John Dickinson 404-347-7603
V. Chicago <u>George Hamper</u> (IL, IN, MI, OH, WI)	<u>Gerard Maruschkovitz - 312-353-7921</u> <u>Dennis Rapp - 312-353-7925</u>	<u>Hyatt McMahon</u> <u>312-886-1145</u>
VI. Dallas (AR, LA, NM, OK, TX)	Ron Shannon 214-655-2282	Joe Dougherty 214-655-2281
VII. Kansas City, KS (IA, KS, MO, NE)	Gerald McKinney 913-551-7816	David Doyle 913-551-7667
VIII. Denver (CO, MT, ND, SD, UT, WY)	Terry Brown 303-293-1823	George Dancik 303-293-1506
IX. San Francisco (AZ, CA, HI, NV, AM SOM, GUAM, PAC TR TERR)	Diane Bodine 415-744-2130	Gloria Brownley 415-744-2114
X. Seattle (AK, ID, OR, WA)	Ron Lilich 206-553-6646	Kevin Schanilec 206-553-1061

COMMENTS: -

Referred to County Health Dept  
 Mr. Ralph Pegrem - Lake Co. IL  
 847-360-6742 Health Dept.  
 New facility - opened in May of 98  
 no violations - 5-98

Submitted by: Don [Signature]Printed Name: Don [Signature]





# GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

4866223

Service Agreement on File? ☒ YES ☐ NO

Program Number: WMI

4866223

Requested Landfill: Keeler Hawk LF, Republic Services, Renewal Date:

1. Generator Name: US EPA Region V c/o USACE  
2. SIC Code:  
3. Facility Street Address: 1120 KATHY LUTHER KING  
4. Phone: (312) 886-4071  
5. Facility City: North Chicago, IL  
6. State/Province: 111904  
7. Zip/Postal Code: 60064  
8. Generator US EPA-assigned ID #: IL80005A729  
9. County: Cook  
10. State/Province ID #: 0971255087  
11. Customer Name: ORR  
12. Customer Phone: (419) 425-6067  
13. Customer Contact: Greg Nordon  
14. Customer Fax: 419 - 425-6085

1. Name of Waste: PCB-Lead Contaminated Soils  
2. State Waste Code: None  
3. Process Generating Waste: Remediation of soils and debris associated with lead railcar  
facilities

4. Estimated Annual Volume: 1,000 - 2,000 tons  
5. Estimated Yards: 0  
6. Personal Protective Equipment Requirements: Standard LP Protection  
7. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip 8, 9, & 10) YES ☐ NO ☒  
8. Reportable Quantity (Rq.: lbs.): Lead 9 10 pounds  
9. Hazard Class/ID #: 9 / UN 3077  
10. USDOT Shipping Name: RD ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, HOT (FLAM)  
Check if additional information is attached. Indicate the number of attached pages:

- Is this waste represented by the waste profile sheet a "Hazardous Waste," as defined by US EPA, Canadian, Mexican and/or other applicable regulation, in the location where generated or ultimately managed? ☐ YES ☒ NO
- Does this waste represented by this waste profile sheet contain regulated radioactive material or regulated constituents of Polychlorinated Biphenyls (PCBs)? ☐ YES ☒ NO
- Does this waste profile sheet list all specimens contain any and accurate descriptions of the waste material? ☐ YES ☒ NO
- Has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☐ YES ☒ NO
- Is the analytical data attached herein derived from testing a representative sample in accordance with 40 CFR 301.20 (c) or equivalent test? ☐ YES ☒ NO
- Will all changes that occur in the ownership of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor or being at the landfill? ☐ YES ☒ NO

Certification Signature: Greg Nordon Company Name: US EPA Date: 11/25/98  
Name (Type or Print): Greg Nordon

1. Management Method: ☐ Landfill ☐ Incineration ☐ Other (Specify) ☐ Other (Specify)  
2. Proposed Ultimate Management Facility: ☐ N/A  
3. Hours of Receipt/Dispatch: ☐ N/A  
4. Supplemental Information: ☐ N/A  
5. Regulations, Special Handling Procedures, or Limitations on Approval: ☐ N/A

Special Waste Decision: ☐ Approved ☐ Disapproved  
Generator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Division Approval Signature (Optional): \_\_\_\_\_ Date: \_\_\_\_\_  
Special Waste Approval/Person Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**APPENDIX F**  
**SAMPLE TRACKING LOG**

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS
VLSC-PC-001	06-Aug-98	Grid PC 001, 160' by ~100' due to creek	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	0.482		mg/l	* Preliminary date excludes weekends in this case
VLSC-PC-003	06-Aug-98	Grid PC 003, 160' by ~100' due to creek	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	0.195		mg/l	
VLSC-PC-005	06-Aug-98	Grid PC 005, 160' by ~100' due to creek	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	0.286		mg/l	
VLSC-PC-007	06-Aug-98	Grid PC 007, 160' by ~100' due to creek	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	0.120		mg/l	
VLSC-PC-002	07-Aug-98	Grid PC 002, 160' by ~140' due to fence line	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	0.314		mg/l	
VLSC-PC-004	06-Aug-98	Grid PC 004, 160' by ~140' due to fence line	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	12.500		mg/l	
VLSC-PC-006	06-Aug-98	Grid PC 006, 160' by 160'	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	10.400		mg/l	
VLSC-PC-008	06-Aug-98	Grid PC 008, 160' by 160'	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	13.200		mg/l	
VLSC-PC-012	07-Aug-98	Grid PC 012, 160' by ~80 due to railroad	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	47.500		mg/l	
VLSC-PC-013	06-Aug-98	Duplicate of Grid PC 004	07-Aug-98	RECRA	07-Aug-98	TCLP Lead	3 DAY	12-Aug-98	12-Aug-98	0	17-Aug-98	TCLP Lead	10.800		mg/l	Duplicate of VLSC-PC-004
VLSC-COMP-1	13-Aug-98 **	Composite of Grids PC 001, PC 003, PC 005, PC 007 and PC 002	07-Aug-98	RECRA	07-Aug-98	Landfill Disposal Package	7 DAY	20-Aug-98	25-Aug-98	5	25-Aug-98	TCLP Metals	Composite of VLSC-PC-001, -002, -003, -005 and -007			
													Arsenic	0.100	U	mg/l
													Barium	0.795		mg/l
													Cadmium	0.050	U	mg/l
													Chromium (Total)	0.050	U	mg/l
													Copper	2.140		mg/l
													Lead	0.416		mg/l
													Nickel	0.094		mg/l
													Mercury	0.010	U	mg/l
													Selenium	0.100	U	mg/l
													Silver	0.050	U	mg/l
													Zinc	15.800		mg/l
													TCLP VOCs			
													Benzene	0.100	U	mg/l
													Carbon tetrachloride	0.100	U	mg/l
													Chlorobenzene	0.100	U	mg/l
													Chloroform	0.100	U	mg/l
													1,2-Dichloroethane	0.100	U	mg/l
													1,1-Dichloroethylene	0.100	U	mg/l
													Methyl Ethyl Ketone	0.100	U	mg/l
													Tetrachloroethylene	0.100	U	mg/l
													Trichloroethylene	0.100	U	mg/l
													Vinyl chloride	0.100	U	mg/l
													TCLP SVOCs			
													o-Cresol	0.080	U	mg/l
													m & p-Cresol	0.070	U	mg/l
													Pentachlorophenol	0.080	U	mg/l
													2,4,5-Trichlorophenol	0.080	U	mg/l
													2,4,6-Trichlorophenol	0.040	U	mg/l
													1,4-Dichlorobenzene	0.080	U	mg/l
													2,4-Dinitrotoluene	0.080	U	mg/l
													Hexachlorobenzene	0.030	U	mg/l
													Hexachlorobutadiene	0.070	U	mg/l
													Hexachloroethane	0.070	U	mg/l
													Nitrobenzene	0.050	U	mg/l
													Pyridine	0.090	U	mg/l
													TCLP Pest.			
													Chlordane	0.002	U	mg/l
													Endrin	0.005	U	mg/l
													Heptachlor	0.002	U	mg/l
													Heptachlor epoxide	0.002	U	mg/l
													Lindane (gamma-BHC)	0.002	U	mg/l
													Methoxychlor	0.025	U	mg/l
													Toxaphene	0.050	U	mg/l
													TCLP Herb.			
													2,4-D	0.100	U	mg/l
													2,4,5-TP (Silvex)	0.010	U	mg/l
													Total PCBs	0.063	U	mg/kg
													Aroclor 1018	0.009	U	mg/kg
													Aroclor 1221	0.009	U	mg/kg
													Aroclor 1232	0.009	U	mg/kg
													Aroclor 1242	0.009	U	mg/kg
													Aroclor 1248	0.009	U	mg/kg
													Aroclor 1254	0.009	U	mg/kg
													Aroclor 1260	0.009	U	mg/kg
													Total EOx	53.500	U	mg/kg
VLSC-Comp-1	13-Aug-98 **		26-Aug-98	Great Lakes		Conventionals	24 hr	27-Aug-98	27-Aug-98	0		Conventionals	Great Lakes to perform conventionals because RECRA could not meet TAT			
													Moisture Content	10.000	%	
													Paint Filter Test	PASS	Pass/Fail	
													pH	7.700		

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS
												Reactive Cyanide	0.250	U	mg/kg	
												Reactive Sulfide	6.500	U	mg/kg	
												Flash Point	>200	F		
												Total Phenols	0.630	U	mg/kg	
VLSC-PE-001	19-Aug-98	0-6", ~20' North of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	13		mg/kg	
VLSC-PE-002	19-Aug-98	0-6", ~20' West of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	52		mg/kg	
VLSC-PE-003	19-Aug-98	0-6", ~20' South of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	21		mg/kg	
VLSC-PE-004	19-Aug-98	0-6", ~20' East of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	33		mg/kg	
VLSC-PE-005	19-Aug-98	0-6", ~20' North of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	660		mg/kg	
VLSC-PE-006	19-Aug-98	0-6", ~20' West of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	150		mg/kg	
VLSC-PE-007	19-Aug-98	0-6", ~20' South of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	700		mg/kg	
VLSC-PE-008	19-Aug-98	0-6", ~20' East of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	210		mg/kg	
VLSC-PE-009	19-Aug-98	0-6", ~20' North of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	5.4		mg/kg	
VLSC-PE-010	19-Aug-98	0-6", ~20' West of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	3.8		mg/kg	
VLSC-PE-011	19-Aug-98	0-6", ~20' South of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	8.1		mg/kg	
VLSC-PE-012	19-Aug-98	0-6", ~20' East of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	2.5		mg/kg	
VLSC-PE-013	19-Aug-98	0-6", ~20' East of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	460		mg/kg	Duplicate of VLSC-PE-008
VLSC-PE-014	20-Aug-98	2", ~20' North of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	0.35		mg/kg	
VLSC-PE-015	20-Aug-98	2", ~20' West of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	3.1		mg/kg	
VLSC-PE-016	20-Aug-98	2", ~20' South of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	6		mg/kg	
VLSC-PE-017	20-Aug-98	2", ~20' East of EE/CA node K2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	1.1		mg/kg	
VLSC-PE-018	20-Aug-98	2", ~20' North of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	1.2		mg/kg	
VLSC-PE-019	20-Aug-98	2", ~20' West of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	0.61		mg/kg	
VLSC-PE-020	20-Aug-98	2", ~20' South of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	12		mg/kg	
VLSC-PE-021	20-Aug-98	2", ~20' East of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	4.5		mg/kg	
VLSC-PE-022	20-Aug-98	2", ~20' North of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	0.74		mg/kg	
VLSC-PE-023	20-Aug-98	2", ~20' West of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	1.9		mg/kg	
VLSC-PE-024	20-Aug-98	2", ~20' South of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	1		mg/kg	
VLSC-PE-025	20-Aug-98	2", ~20' East of EE/CA node J2	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	100		mg/kg	
VLSC-PE-026	20-Aug-98	2", ~20' East of EE/CA node K1	20-Aug-98	RECRA	21-Aug-98	PCB Delineation	3 DAY	25-Aug-98	27-Aug-98	2		PCB Total	1.8		mg/kg	Duplicate of VLSC-PE-021
VLSC-FL-001	25-Aug-98	Outside perimeter fence, 40' North along southwest fence line, 4 pt composite	27-Aug-98	Great Lakes	27-Aug-98	Confirmation Pb & Be	24 hr	27-Aug-98	27-Aug-98	0	01-Sep-98	Total Pb & Be	Pb 440 Be 1.3		mg/kg mg/kg	
VLSC-F-001	26-Aug-98	Grid F 001, 80' by 80', SW corner of Lot	27-Aug-98	Great Lakes	27-Aug-98	Confirmation Pb & Be	24 hr	27-Aug-98	27-Aug-98	0	01-Sep-98	Total Pb & Be	Pb 640 Be 0.55		mg/kg mg/kg	
VLSC-SW-001	27-Aug-98	Side Wall of Grid F 001 to the South, 97'	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 740 Be 0.80		mg/kg mg/kg	
VLSC-SW-002	27-Aug-98	Side Wall of Grid F 001 to the West, 80'	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 540 Be 1.9		mg/kg mg/kg	
VLSC-SW-003	27-Aug-98	Side Wall of Grid F 002 to the West, 80'	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 320 Be 1.1		mg/kg mg/kg	
VLSC-F-002	27-Aug-98	Grid F 002, 80' by 70', North of Grid F 001	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 500 Be 0.82		mg/kg mg/kg	
VLSC-F-003	28-Aug-98	Grid F 003, 80' by 80', North of Grid F 002	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 650 Be 0.74		mg/kg mg/kg	
VLSC-F-003E	28-Aug-98	Duplicate of Grid F 003	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 350 Be 0.74		mg/kg mg/kg	Be Duplicate RPD 0%, Pb Duplicate RPD 50%
VLSC-SW-004	28-Aug-98	Side Wall of Grid F 003 to the West, 80'	28-Aug-98	Great Lakes	28-Aug-98	Confirmation Pb & Be	24 hr	29-Aug-98	31-Aug-98	2	03-Sep-98	Total Pb & Be	Pb 140 Be 0.5	U	mg/kg mg/kg	
VLSC-Comp-1	07-Aug-98	Composite of Grids PC 001, PC 003, PC 005, PC 007 and PC 002	26-Aug-98	Great Lakes	26-Aug-98	Total Lead, (Landfill Disposal parameter)	24 hr	28-Aug-98	01-Sep-98	3	03-Sep-98	Total Pb	Pb 320		mg/kg	
VLSC-FL-002	29-Aug-98	Outside perimeter fence, East of bridge to site entrance and extreme southwest corner, 5 pt composite	31-Aug-98	Great Lakes	31-Aug-98	Confirmation Pb & Be	24 hr	01-Sep-98	01-Sep-98	0	06-Sep-98	Total Pb & Be	Pb 2800 Be 0.87		mg/kg mg/kg	
VLSC-F-004	31-Aug-98	Grid F 004, 80' by 90', North of Grid F 003	31-Aug-98	Great Lakes	31-Aug-98	Confirmation Pb & Be	24 hr	01-Sep-98	02-Sep-98	1	06-Sep-98	Total Pb & Be	Pb 220 Be 0.5		mg/kg mg/kg	
VLSC-F-005	01-Sep-98	Grid F 005, 80' by 100', North of Grid F 004	01-Sep-98	Great Lakes	01-Sep-98	Confirmation Pb & Be	24 hr	02-Sep-98	02-Sep-98	0	07-Sep-98	Total Pb & Be	Pb 320 Be 1.2		mg/kg mg/kg	
VLSC-PE-027	01-Sep-98	20' North of PE-005, 0-6"	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	210		mg/kg	
VLSC-PE-028	01-Sep-98	25' East of PE-008, 0-6"	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	190		mg/kg	
VLSC-PE-029	01-Sep-98	20' South of PE-007, 0-6"	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	260		mg/kg	
VLSC-PE-030	01-Sep-98	20' South of PE-004, 0-6"	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	16		mg/kg	
VLSC-PE-031	01-Sep-98	20' North of PE-004, 0-6"	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	140		mg/kg	
VLSC-PE-033	01-Sep-98	10' West of EE/CA node J2, 2' depth	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	0.05	U	mg/kg	
VLSC-PE-034	01-Sep-98	30' East of EE/CA node J2, 2' depth	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	0.05	U	mg/kg	
VLSC-PE-035	01-Sep-98	Duplicate of PE-027	01-Sep-98	Great Lakes	01-Sep-98	PCB Delineation	3 DAY	04-Sep-98	08-Sep-98	4	09-Sep-98	Total PCBs	72		mg/kg	Duplicate of VLSC-PE-027
VLSC-F-005A	01-Sep-98	Grid A of F 005	01-Sep-98	Great Lakes	01-Sep-98	Confirmation Be	24 hr	02-Sep-98	03-Sep-98	1	07-Sep-98	Total Be	1		mg/kg	
VLSC-F-005B	01-Sep-98	Grid B of F 005	01-Sep-98	Great Lakes	01-Sep-98	Confirmation Be	24 hr	02-Sep-98	03-Sep-98	1	07-Sep-98	Total Be	2.9		mg/kg	
VLSC-F-005C	01-Sep-98	Grid C of F 005	01-Sep-98	Great Lakes	01-Sep-98	Confirmation Be	24 hr	02-Sep-98	03-Sep-98	1	07-Sep-98	Total Be	0.5	U	mg/kg	
VLSC-F-005D	01-Sep-98	Grid D of F 005	01-Sep-98	Great Lakes	01-Sep-98	Confirmation Be	24 hr	02-Sep-98	03-Sep-98	1	07-Sep-98	Total Be	0.5	U	mg/kg	
VLSC-F-006	02-Sep-98	Grid F 006, 80' by 100', North of Grid F 005	02-Sep-98	Great Lakes	02-Sep-98	Confirmation Pb & Be	24 hr	03-Sep-98	03-Sep-98	0	08-Sep-98	Total Pb & Be	Pb 180 Be 0.50		mg/kg mg/kg	
VLSC-F-007	03-Sep-98	Grid F 007, ~30' by 220', extreme Northwest corner	03-Sep-98	Great Lakes	02-Sep-98	Confirmation Pb & Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Pb & Be	Pb 400 Be 2.2		mg/kg mg/kg	

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS		
VLSC-F-008	03-Sep-98	Grid F 008, 80' by 80', South of Grid F 007	03-Sep-98	Great Lakes	02-Sep-98	Confirmation Pb & Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Pb & Be	Pb 120 Be 0.81			mg/kg		
VLSC-F-009	03-Sep-98	Grid F 009, 75' by 90', South of Grid F 008	03-Sep-98	Great Lakes	02-Sep-98	Confirmation Pb & Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Pb & Be	Pb 89 Be 0.89			mg/kg		
VLSC-VWT-001	03-Sep-98	Decon Water from 2000 gal poly tank	02-Sep-98	Great Lakes	02-Sep-98	Decon Water Disposal	3 DAY	08-Sep-98	09-Sep-98	1	13-Sep-98	Total PCBs	0.0021			mg/L		
VLSC-F-007A	03-Sep-98	Grid A of F 007	03-Sep-98	Great Lakes	03-Sep-98	Confirmation Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Be	Be 0.70			mg/kg		
VLSC-F-007B	03-Sep-98	Grid B of F 007	03-Sep-98	Great Lakes	03-Sep-98	Confirmation Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Be	Be 4.0			mg/kg		
VLSC-F-007C	03-Sep-98	Grid C of F 007	03-Sep-98	Great Lakes	03-Sep-98	Confirmation Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Be	Be 1.2			mg/kg		
VLSC-F-007D	03-Sep-98	Grid D of F 007	03-Sep-98	Great Lakes	03-Sep-98	Confirmation Be	24 hr	04-Sep-98	04-Sep-98	0	09-Sep-98	Total Be	Be 1.4			mg/kg		
VLSC-PE-036	09-Sep-98	10' North of PE 027, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	26			mg/kg		
VLSC-PE-037	09-Sep-98	10' East of PE 028, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	180			mg/kg		
VLSC-PE-038	09-Sep-98	10' South of PE 029, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	27			mg/kg		
VLSC-PE-039	09-Sep-98	10' North of PE 004, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	8.1			mg/kg		
VLSC-PE-040	09-Sep-98	10' South of PE 031, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	5.8			mg/kg		
VLSC-PE-041	09-Sep-98	10' North of PE 002, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	8.4			mg/kg		
VLSC-PE-042	09-Sep-98	10' West of PE 002, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	1.97			mg/kg		
VLSC-PE-044	09-Sep-98	10' North of EE/CA node K1, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	38			mg/kg		
VLSC-PE-045	09-Sep-98	10' West of EE/CA node K1, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	22			mg/kg		
VLSC-PE-046	09-Sep-98	10' South of EE/CA node K1, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	7.9			mg/kg		
VLSC-PE-047	09-Sep-98	10' East of EE/CA node K2, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	7.2			mg/kg		
VLSC-PE-048	09-Sep-98	10' North of EE/CA node K2, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	17			mg/kg		
VLSC-PE-049	09-Sep-98	10' West of EE/CA node K2, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	42			mg/kg		
VLSC-PE-050	09-Sep-98	10' North of PE 012, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	3.8			mg/kg		
VLSC-PE-051	09-Sep-98	10' East of PE 012, 0-6"	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	10			mg/kg		
VLSC-PE-052	09-Sep-98	10' North of PE 033, 2' depth	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	3			mg/kg		
VLSC-PE-072	09-Sep-98	Duplicate of PE 036	09-Sep-98	Great Lakes	09-Sep-98	PCB Delineation	3 DAY	14-Sep-98	14-Sep-98	0	19-Sep-98	Total PCBs	8.8			mg/kg	Duplicate of VLSC-PE-36	
VLSC-PE-053	10-Sep-98	10' South of PE 012, 2' depth	10-Sep-98	Great Lakes	10-Sep-98	PCB Delineation	3 DAY	14-Sep-98	18-Sep-98	2	18-Sep-98	Total PCBs	13			mg/kg		
VLSC-PE-054	10-Sep-98	10' North of PE 036, 0-6"	10-Sep-98	Great Lakes	10-Sep-98	PCB Delineation	3 DAY	18-Sep-98	18-Sep-98	0	23-Sep-98	Total PCBs	4			mg/kg		
VLSC-PE-056	10-Sep-98	10' East of PE 037, 0-6"	10-Sep-98	Great Lakes	10-Sep-98	PCB Delineation	3 DAY	18-Sep-98	18-Sep-98	0	23-Sep-98	Total PCBs	170			mg/kg		
VLSC-PE-058	10-Sep-98	10' South of PE 038, 0-6"	10-Sep-98	Great Lakes	10-Sep-98	PCB Delineation	3 DAY	18-Sep-98	18-Sep-98	0	23-Sep-98	Total PCBs	11			mg/kg		
VLSC-PE-057	10-Sep-98	10' East of PE 056, 0-6"	10-Sep-98	Great Lakes	10-Sep-98	PCB Delineation	3 DAY	24-Sep-98	24-Sep-98	0	29-Sep-98	Total PCBs	0.98			mg/kg		
VLSC-F-010	15-Sep-98	Grid 010, East of Creek, South side along MLK dr, 80' by ~80'	15-Sep-98	Great Lakes	15-Sep-98	Confirmation Pb & Be	24 hr	16-Sep-98	18-Sep-98	0	21-Sep-98	Total Pb & Be	Pb 3300 Be 0.5			mg/kg		
VLSC-F-011	16-Sep-98	Grid F 011, 80' by 80', North of F 010	16-Sep-98	Great Lakes	16-Sep-98	Confirmation Pb & Be	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Pb & Be	Pb 1100 Be 0.5			mg/kg		
VLSC-F-007E	16-Sep-98	Sub Grid B, 80' by 25', Northwest corner Grid 007	16-Sep-98	Great Lakes	16-Sep-98	Confirmation Be	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Be	Be 0.5			mg/kg		
VLSC-F-007F	16-Sep-98	Sub Grid C, 80' by 25', Northwest corner Grid 007	16-Sep-98	Great Lakes	16-Sep-98	Confirmation Be	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Be	Be 0.5			mg/kg		
VLSC-F-007G	16-Sep-98	Sub Grid D, 80' by 25', Northwest corner Grid 007	16-Sep-98	Great Lakes	16-Sep-98	Confirmation Be	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Be	Be 0.5			mg/kg		
VLSC-F-010A	15-Sep-98	Sub Grid A of F 010	15-Sep-98	Great Lakes	15-Sep-98	Confirmation Pb	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Pb	Pb 3200			mg/kg		
VLSC-F-010B	15-Sep-98	Sub Grid B of F 010	15-Sep-98	Great Lakes	15-Sep-98	Confirmation Pb	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Pb	Pb 4200			mg/kg		
VLSC-F-010C	15-Sep-98	Sub Grid C of F 010	15-Sep-98	Great Lakes	15-Sep-98	Confirmation Pb	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Pb	Pb 7000			mg/kg		
VLSC-F-010D	15-Sep-98	Sub Grid D of F 010	15-Sep-98	Great Lakes	15-Sep-98	Confirmation Pb	24 hr	17-Sep-98	17-Sep-98	0	22-Sep-98	Total Pb	Pb 9800			mg/kg		
VLSC-F-012	17-Sep-98	Grid F 012, 80' by 80', North of F 011	17-Sep-98	Great Lakes	17-Sep-98	Confirmation Pb & Be	24 hr	18-Sep-98	18-Sep-98	0	23-Sep-98	Total Pb & Be	Pb 2900 Be 0.5			mg/kg		
VLSC-F-005E	17-Sep-98	Sub Grid B of F 005	17-Sep-98	Great Lakes	17-Sep-98	Confirmation Be	24 hr	18-Sep-98	18-Sep-98	0	23-Sep-98	Total Be	Be 0.5			mg/kg		
EMCO-DP-001	18-Sep-98	EMCO Discharge Pipe, water	18-Sep-98	Great Lakes	18-Sep-98	Organics	Quick	21-Sep-98	21-Sep-98	0	26-Sep-98	Volatiles					Compounds detected above the method limit only	
												Acetone	0.12	A		mg/L	EMCO Lab detected Acetone in their sample	
												cis 1,2-Dichloroethene	0.23			mg/L		
												Trichloroethene	0.12			mg/L		
												Total Xylenes	0.5			mg/L		
EMCO-DP-001												Polynuclear Aromatic Hydrocarbons					Compounds detected above the method limit only	
												Phenanthrene	0.028			mg/L		
EMCO-DP-001												Semi-Volatiles					Compounds detected above the method limit only	
												Isophorone	0.04			mg/L		
												Naphthalene	0.03			mg/L		
VLSC-F-010I	18-Sep-98	Grid 010, East of Creek, South side along MLK dr, 80' by ~80'	18-Sep-98	Great Lakes	18-Sep-98	Confirmation Pb	24 hr	19-Sep-98	19-Sep-98	0	24-Sep-98	Total Pb	Pb 1300				mg/kg	
VLSC-FL-003	19-Sep-98	Outside perimeter fence, 80' composite from NW corner of site	19-Sep-98	Great Lakes	19-Sep-98	Confirmation Pb & Be	24 hr	21-Sep-98	20-Sep-98	0	26-Sep-98	Total Pb & Be	Pb 84 Be 0.5			mg/kg		
VLSC-FL-004	19-Sep-98	Outside perimeter fence, 80' composite south of FL-003	19-Sep-98	Great Lakes	19-Sep-98	Confirmation Pb & Be	24 hr	21-Sep-98	20-Sep-98	0	26-Sep-98	Total Pb & Be	Pb 150 Be 0.5			mg/kg		
VLSC-FL-005	19-Sep-98	Outside perimeter fence, 80' composite south of FL-004	19-Sep-98	Great Lakes	19-Sep-98	Confirmation Pb & Be	24 hr	21-Sep-98	20-Sep-98	0	26-Sep-98	Total Pb & Be	Pb 84 Be 0.5			mg/kg		
VLSC-F-010J	22-Sep-98	Grid 010, 80' by 40', resample, composite	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb	24 hr	23-Sep-98	23-Sep-98	0	28-Sep-98	Total Pb	Pb 1200			mg/kg	Area sampled after a scrape for crossover contamination	
VLSC-F-012I	22-Sep-98	Grid 012, 80' by 80', North of Grid 011	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb & Be	24 hr	23-Sep-98	23-Sep-98	0	28-Sep-98	Total Pb	Pb 2200			mg/kg		

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VLSC-BK-001	22-Sep-98	Backfill composite	22-Sep-98	Great Lakes	22-Sep-98	TACO List	7 DAY	29-Sep-98	13-Oct-98	14	04-Oct-98	Volatiles	ND			
VLSC-BK-001												Semi-Volatiles	ND			
VLSC-BK-001												Total PCB	ND			
VLSC-BK-001												Total Herbicides	ND			
VLSC-BK-001												Total Pesticides	ND			
VLSC-BK-001												Metals				
												Aluminum	14000		mg/kg	
												Antimony	2	U	mg/kg	
												Arsenic	4.4		mg/kg	
												Barium	48		mg/kg	
												Beryllium	0.55		mg/kg	
												Cadmium	1		mg/kg	
												Calcium	46000		mg/kg	
												Chromium	14		mg/kg	
												Cobalt	11		mg/kg	
												Copper	24		mg/kg	
												Cyanide	0.25	U	mg/kg	
												Iron	19000		mg/kg	
												Lead	20		mg/kg	
												Magnesium	28000		mg/kg	
												Manganese	460		mg/kg	
												Mercury	0.03	U	mg/kg	
												Nickel	25		mg/kg	
												Potassium	1900		mg/kg	
												Selenium	0.24	U	mg/kg	
												Silver	2.5	U	mg/kg	
												Sodium	140		mg/kg	
												Thallium	0.29		mg/kg	
												Vanadium	21		mg/kg	
												Zinc	58		mg/kg	
VLSC-PS-001	22-Sep-98	Creek slope East, 160' composite from North fence	23-Sep-98	Great Lakes	23-Sep-98	Pre-characterization for 3 DAY	26-Sep-98	26-Sep-98	26-Sep-98	2	01-Oct-98	TCLP Lead	Pb 1.3		mg/L	
VLSC-PS-002	23-Sep-98	Creek slope West, 160' composite from North fence	23-Sep-98	Great Lakes	23-Sep-98	Lead component	26-Sep-98	26-Sep-98	26-Sep-98	2	01-Oct-98	TCLP Lead	Pb 0.48		mg/L	
VLSC-PS-003	23-Sep-98	Creek slope East, 160' composite South of PS-001	23-Sep-98	Great Lakes	23-Sep-98	Pre-characterization for 3 DAY	26-Sep-98	26-Sep-98	26-Sep-98	2	01-Oct-98	TCLP Lead	Pb 2.4		mg/L	
VLSC-PS-004	23-Sep-98	Creek slope West, 160' composite South of PS-002	23-Sep-98	Great Lakes	23-Sep-98	Lead component	26-Sep-98	26-Sep-98	26-Sep-98	2	01-Oct-98	TCLP Lead	Pb 0.32		mg/L	
VLSC-F-012E	22-Sep-98	Sub grid A of F 012I	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb	24 hr	24-Sep-98	24-Sep-98	0	29-Sep-98	Total Pb	Pb 180		mg/kg	
VLSC-F-012F	22-Sep-98	Sub grid B of F 012I	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb	24 hr	24-Sep-98	24-Sep-98	0	29-Sep-98	Total Pb	Pb 1500		mg/kg	
VLSC-F-012G	22-Sep-98	Sub grid C of F 012I	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb	24 hr	24-Sep-98	24-Sep-98	0	29-Sep-98	Total Pb	Pb 120		mg/kg	
VLSC-F-012H	22-Sep-98	Sub grid D of F 012I	22-Sep-98	Great Lakes	22-Sep-98	Confirmation Pb	24 hr	24-Sep-98	24-Sep-98	0	29-Sep-98	Total Pb	Pb 1500		mg/kg	
VLSC-F-013	25-Sep-98	Grid 013, 80' by 80', north of grid 012	25-Sep-98	Great Lakes	25-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	01-Oct-98	Total Pb & Be	Pb 3200 Be 0.5	U	mg/kg	
VLSC-F-013E	25-Sep-98	Duplicate of VLSC-F-013	25-Sep-98	Great Lakes	25-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	01-Oct-98	Total Pb & Be	Pb 3000 Be 0.5	U	mg/kg	Duplicate of VLSC-F-013
VLSC-F-012J	25-Sep-98	Sub grid B of F 012	25-Sep-98	Great Lakes	25-Sep-98	Confirmation Pb	24 hr	28-Sep-98	28-Sep-98	0	01-Oct-98	Total Pb	Pb 29		mg/kg	
VLSC-F-012K	25-Sep-98	Sub grid D of F 012	25-Sep-98	Great Lakes	25-Sep-98	Confirmation Pb	24 hr	28-Sep-98	28-Sep-98	0	01-Oct-98	Total Pb	Pb 11		mg/kg	
VLSC-FL-006	26-Sep-98	Outside perimeter fence, 80' composite, south of FL-005	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	03-Oct-98	Total Pb & Be	Pb 9.2 Be 0.5	U	mg/kg	
VLSC-FL-007	26-Sep-98	Outside perimeter fence, 80' composite, south of FL-006	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	03-Oct-98	Total Pb & Be	Pb 8.0 Be 0.5	U	mg/kg	
VLSC-FL-008	26-Sep-98	Outside perimeter fence, 80' composite, south of FL-007	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	03-Oct-98	Total Pb & Be	Pb 22 Be 0.5	U	mg/kg	
VLSC-FL-009	26-Sep-98	Outside perimeter fence, 40' composite, south of FL-008	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	03-Oct-98	Total Pb & Be	Pb 16 Be 0.5	U	mg/kg	
VLSC-F-014	26-Sep-98	Grid 014, 80' by ~65', north of grid 013	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	28-Sep-98	28-Sep-98	28-Sep-98	0	03-Oct-98	Total Pb & Be	Pb 6800 Be 0.59		mg/kg	
VLSC-F-013J	28-Sep-98	Grid 013, 80' by 80', north of grid 012	28-Sep-98	Great Lakes	28-Sep-98	Confirmation Pb and Be 24 hr	29-Sep-98	29-Sep-98	29-Sep-98	0	04-Oct-98	Total Pb & Be	Pb 310 Be 0.52		mg/kg	
VLSC-F-014I	29-Sep-98	Grid 014, 80' by ~65', north of grid 013	29-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 24 hr	30-Sep-98	01-Oct-98	01-Oct-98	1	05-Oct-98	Total Pb & Be	Pb 1500 Be 0.5	U	mg/kg	
VLSC-F-015	29-Sep-98	Grid 015, 80' by ~60', north of grid 014	29-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 24 hr	30-Sep-98	01-Oct-98	01-Oct-98	1	05-Oct-98	Total Pb & Be	Pb 81 Be 0.50	U	mg/kg	
VLSC-PS-005	29-Sep-98	Creek slope East, 160' composite south of PS-003	29-Sep-98	Great Lakes	29-Sep-98	Precharacterization for 3 DAY	02-Oct-98	02-Oct-98	02-Oct-98	0	07-Oct-98	TCLP Lead	Pb 0.39		mg/L	
VLSC-PS-006	29-Sep-98	Creek slope West, 160' composite south of PS-004	29-Sep-98	Great Lakes	28-Sep-98	Precharacterization for 3 DAY	02-Oct-98	02-Oct-98	02-Oct-98	0	07-Oct-98	TCLP Lead	Pb 0.08		mg/L	
VLSC-F-014E	29-Sep-98	Grid A of F 014	28-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 24 hr	01-Oct-98	01-Oct-98	01-Oct-98	0	06-Oct-98	Total Pb	Pb 1200		mg/kg	
VLSC-F-014F	29-Sep-98	Grid B of F 014	28-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 24 hr	01-Oct-98	01-Oct-98	01-Oct-98	0	06-Oct-98	Total Pb	Pb 720		mg/kg	
VLSC-F-014G	29-Sep-98	Grid C of F 014	29-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 24 hr	01-Oct-98	01-Oct-98	01-Oct-98	0	06-Oct-98	Total Pb	Pb 2400		mg/kg	

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VLSC-F-014H	29-Sep-98	Grid D of F 014	29-Sep-98	Great Lakes	29-Sep-98	Confirmation Pb and Be 4 hr	01-Oct-98	01-Oct-98	0	06-Oct-98	Total Pb	Pb 21	mg/kg			
VLSC-PS-007	01-Oct-98	Creek slope East, 160' composite south of PS-005	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 7.0	mg/L		
VLSC-PS-008	01-Oct-98	Creek slope West, 160' composite south of PS-006	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 21.0	mg/L		
VLSC-PS-009	01-Oct-98	Creek slope East, 160' composite south of PS-007	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 0.56	mg/L		
VLSC-PS-010	01-Oct-98	Creek slope West, 160' composite south of PS-008	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 15.0	mg/L		
VLSC-PS-011	01-Oct-98	Creek slope East, 160' composite south of PS-009	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 5.2	mg/L		
VLSC-PS-012	01-Oct-98	Creek slope West, 160' composite south of PS-010	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 0.19	mg/L		
VLSC-PS-013	01-Oct-98	Duplication PS-007	01-Oct-98	Great Lakes	01-Oct-98	Precharacterization for Lead component	3 DAY	05-Oct-98	06-Oct-98	1	10-Oct-98	TCLP Lead	Pb 5.0	mg/L		Duplicate of VLSC-PS-007
VLSC-F-014J	02-Oct-98	Sub Grid C of F 013	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb	24 hr	03-Oct-98	03-Oct-98	0	08-Oct-98	Total Pb	Pb 26	mg/kg		
VLSC-F-016	02-Oct-98	Grid 016, 90' by ~55', north of grid 015	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb and Be	24 hr	03-Oct-98	03-Oct-98	0	08-Oct-98	Total Pb & Be	Pb 7100	mg/kg		
VLSC-F-016A	02-Oct-98	Sub Grid A of F-016	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb	24 hr	08-Oct-98	08-Oct-98	0	11-Oct-98	Total Pb	Pb 11000	mg/kg		
VLSC-F-016B	02-Oct-98	Sub Grid B of F-016	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb	24 hr	08-Oct-98	08-Oct-98	0	11-Oct-98	Total Pb	Pb 280	mg/kg		
VLSC-F-016C	02-Oct-98	Sub Grid C of F-016	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb	24 hr	08-Oct-98	08-Oct-98	0	11-Oct-98	Total Pb	Pb 8500	mg/kg		
VLSC-F-016D	02-Oct-98	Sub Grid D of F-016	02-Oct-98	Great Lakes	02-Oct-98	Confirmation Pb	24 hr	08-Oct-98	08-Oct-98	0	11-Oct-98	Total Pb	Pb 210	mg/kg		
VLSC-Comp-2	08-Oct-98	Batch Test treatment Pile, 4 % mixture	08-Oct-98	Great Lakes	08-Oct-98	Landfill Disposal Package	3 DAY	12-Oct-98	13-Oct-98	1	17-Oct-98	Conventional				
												Total Cyanide	0.25	U	mg/kg	
												EOX	100	U	mg/kg	
												Phenol	1.9	U	mg/kg	
												Reactive Cyanide	0.13	U	mg/kg	
												Reactive Sulfide	6.5	U	mg/kg	
												Sulfide	12	U	mg/kg	
												pH	9.6			
												Percent Moisture	16		%	
												Flash Point	>200		F	
												Paint Filter Test	Pass		Pass/Fail	
												Density	2.1		g/ml	
VLSC-Comp-2												TCLP Metals				
												Arsenic	0.05	U	mg/L	
												Barium	2	U	mg/L	
												Cadmium	0.042	U	mg/L	
												Chromium (Total)	0.01	U	mg/L	
												Copper	3	U	mg/L	
												Lead	0.047	U	mg/L	
												Mercury	0.002	U	mg/L	
												Selenium	0.01	U	mg/L	
												Silver	0.05	U	mg/L	
												Zinc	4.1	U	mg/L	
VLSC-Comp-2												Total Metals				
												Arsenic	8.4	U	mg/kg	
												Barium	410	U	mg/kg	
												Cadmium	6.8	U	mg/kg	
												Chromium (Total)	23	U	mg/kg	
												Lead	250	U	mg/kg	
												Mercury	9	U	mg/kg	
												Selenium	0.5	U	mg/kg	
												Silver	1.9	U	mg/kg	
												Thallium	0.5	U	mg/kg	
VLSC-Comp-2												TCLP Volatiles	ND			
VLSC-Comp-2												TCLP Semi-Volatiles	ND			
VLSC-Comp-2												TCLP Pesticides	ND			
VLSC-Comp-2												TCLP Herbicides	ND			Herbicides analyzed by Quanterra Environmental of Pittsburgh, PA
VLSC-Comp-2												Total PCBs	ND			
VLSC-Comp-3	08-Oct-98	Batch Test treatment Pile, 6 % mixture	08-Oct-98	Great Lakes	08-Oct-98	TCLP Confirm Pb	3 DAY	12-Oct-98	13-Oct-98	1	17-Oct-98	TCLP Lead	Pb 0.21	mg/L		
VLSC-F-016E	09-Oct-98	Sub Grid A of F-016	09-Oct-98	Great Lakes	09-Oct-98	Total Pb	24 hr	12-Oct-98	02-Oct-98	0	17-Oct-98	Total Pb	Pb 2100	mg/kg		Initial order was TCLP Pb, GLA notified to run Total Pb instead
VLSC-F-016F	09-Oct-98	Sub Grid C of F-016	09-Oct-98	Great Lakes	09-Oct-98	Total Pb	24 hr	12-Oct-98	02-Oct-98	0	17-Oct-98	Total Pb	Pb 8000	mg/kg		Initial order was TCLP Pb, GLA notified to run Total Pb instead
VLSC-F-016G	13-Oct-98	Sub Grid A of F-016	13-Oct-98	Great Lakes	13-Oct-98	Confirmation Pb	24 hr	14-Oct-98	15-Oct-98	1	19-Oct-98	Total Pb	Pb 1900	mg/kg		
VLSC-F-016H	13-Oct-98	Sub Grid C of F-016	13-Oct-98	Great Lakes	13-Oct-98	Confirmation Pb	24 hr	14-Oct-98	15-Oct-98	1	19-Oct-98	Total Pb	Pb 530	mg/kg		
VLSC-Comp-4	14-Oct-98	Treated pile, Batch 01	14-Oct-98	Great Lakes	14-Oct-98	TCLP Confirm Pb, Total Pb	3 day	17-Oct-98	17-Oct-98	0	22-Oct-98	TCLP Pb	Total 0.0050	U	mg/L	
												Pb	6100	U	mg/kg	
VLSC-F-016I	15-Oct-98	Sub Grid A of F-016	15-Oct-98	Great Lakes	15-Oct-98	Confirmation Pb	Quick	16-Oct-98	16-Oct-98	0	21-Oct-98	Total Pb	Pb 1000	mg/kg		

SAMPLE TRACKING LOG

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS
VLSC-Comp-5	16-Oct-98	Treated pile, Batch 02	16-Oct-98	Great Lakes	16-Oct-98	TCLP Confirmation Pb	3 DAY	18-Oct-98	18-Oct-98	0	24-Oct-98	TCLP Pb	0.005	U	mg/L	
VLSC-Comp-6	16-Oct-98	Treated pile, Batch 03	16-Oct-98	Great Lakes	16-Oct-98	TCLP Confirmation Pb	3 DAY	20-Oct-98	18-Oct-98	0	25-Oct-98	TCLP Pb	0.0084		mg/L	
VLSC-Comp-7	17-Oct-98	Treated pile, Batch 04	17-Oct-98	Great Lakes	17-Oct-98	TCLP Confirmation Pb	3 DAY	21-Oct-98	21-Oct-98	0	28-Oct-98	TCLP Pb	0.005		mg/L	
VLSC-Comp-8	17-Oct-98	Treated pile, Batch 05	17-Oct-98	Great Lakes	17-Oct-98	TCLP Confirmation Pb	3 DAY	21-Oct-98	21-Oct-98	0	28-Oct-98	TCLP Pb	0.0059		mg/L	
VLSC-Comp-9	20-Oct-98	Treated pile, Batch 06	20-Oct-98	Great Lakes	20-Oct-98	TCLP Confirmation Pb	3 DAY	23-Oct-98	23-Oct-98	0	28-Oct-98	TCLP Pb	1		mg/L	
VLSC-Comp-10	20-Oct-98	Treated pile, Batch 06	20-Oct-98	Great Lakes	20-Oct-98	TCLP Confirmation Pb	3 DAY	23-Oct-98	23-Oct-98	0	28-Oct-98	TCLP Pb	0.005	U	mg/L	Duplicate of VLSC-Comp-9
VLSC-PC-014	21-Oct-98	At previous existing stockpile	21-Oct-98	Great Lakes	21-Oct-98	Investigate PID readings	3 DAY	24-Oct-98	26-Oct-98	2	29-Oct-98	Volatiles				
												dis 1,2-Dichloroethene	0.012		mg/kg	
												Tetrachloroethylene	0.081		mg/kg	
												Trichloroethene	12		mg/kg	
												Semi-Volatiles				
												Fluoranthene	0.13		mg/kg	
VLSC-F-RR1	21-Oct-98	North Side of Lot South of railroad	21-Oct-98	Great Lakes	21-Oct-98	Confirmation Pb	24 hr	22-Oct-98	22-Oct-98	0	27-Oct-98	Total Pb & Be	Pb 4700		mg/kg	
VLSC-F-017	21-Oct-98	Grid F-017, 80' by 55', North of F-016	21-Oct-98	Great Lakes	21-Oct-98	Confirmation Pb	24 hr	22-Oct-98	22-Oct-98	0	27-Oct-98	Total Pb & Be	Be 0.5	U	mg/kg	
												Pb 5700		mg/kg		
												Be 0.71		mg/kg		
VLSC-Comp-11	22-Oct-98	Creek slope/sediment stockpile	22-Oct-98	Great Lakes	22-Oct-98	PAH's	24 hr	23-Oct-98	23-Oct-98	0	28-Oct-98	Benzo(a)pyrene	2.1		mg/kg	Above 0.8 mg/kg CUG
VLSC-BK-002 and VLSC-BK-003 composite	15-Oct-98	Backfill, composite ratio is 60% BK-002 to 40% BK-003	15-Oct-98	Great Lakes	15-Oct-98	TACO List	7 Day	28-Oct-98	10-Nov-98	13	02-Nov-98	Volatiles	0.026	A	mg/kg	BK-002 and BK-003 composited Ordered 10/21
												Semi-Volatiles	ND		mg/kg	
												Total PCB	ND		mg/kg	
												Total Herbicides	ND		mg/kg	
												Total Pesticides	ND		mg/kg	
												Metals				
												Aluminum	9600		mg/kg	
												Antimony	2	U	mg/kg	
												Arsenic	5.7		mg/kg	
												Barium	120		mg/kg	
												Beryllium	0.6		mg/kg	
												Cadmium	0.5		mg/kg	
												Calcium	26000		mg/kg	
												Chromium	13		mg/kg	
												Cobalt	20		mg/kg	
												Copper	41		mg/kg	
												Cyanide	0.25	U	mg/kg	
												Iron	14000		mg/kg	
												Lead	1	U	mg/kg	
												Magnesium	16000		mg/kg	
												Manganese	1700		mg/kg	
												Mercury	0.052	U	mg/kg	
												Nickel	25		mg/kg	
												Potassium	1000		mg/kg	
												Selenium	0.24	U	mg/kg	
												Silver	2.5	U	mg/kg	
												Sodium	150		mg/kg	
												Thallium	0.3		mg/kg	
												Vanadium	26		mg/kg	
												Zinc	85		mg/kg	
VLSC-F-018	23-Oct-98	Grid 018, 80' by 80', East of creek, South of North perimeter fence	23-Oct-98	Great Lakes	23-Oct-98	Confirmation Pb & Be	24 hr	24-Oct-98	24-Oct-98	0	29-Oct-98	Total Pb & Be	Pb 6400		mg/kg	
												Be 0.5	U	mg/kg		
VLSC-Comp-12	23-Oct-98	Treated pile, Batch 07	23-Oct-98	Great Lakes	23-Oct-98	TCLP Lead	3 day	27-Oct-98	27-Oct-98	0	01-Nov-98	TCLP Pb	58		mg/L	
VLSC-F-RR1G	23-Oct-98	Grid RR1	23-Oct-98	Great Lakes	23-Oct-98	Confirmation Pb	24 hr	26-Oct-98	25-Oct-98	0	31-Oct-98	Total Pb	4700		mg/kg	
VLSC-FL-010	24-Oct-98	80' composite south of FL-009		Great Lakes		Confirmation Pb & Be	24 hr	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb & Be	Pb 20		mg/kg	
												Be 0.54		mg/kg		
VLSC-FL-011	24-Oct-98	80' composite south of FL-010		Great Lakes		Confirmation Pb & Be	24 hr	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb & Be	Pb 54		mg/kg	
												Be 0.28		mg/kg		
VLSC-FL-012	24-Oct-98	80' composite south of FL-011		Great Lakes		Confirmation Pb & Be	24 hr	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb & Be	Pb 33		mg/kg	
												Be 0.80		mg/kg		
VLSC-F-017G	24-Oct-98	Grid F-017, 80' by 55', North of F-016		Great Lakes		Confirmation Pb	24 hr	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb	530		mg/kg	
VLSC-P-001	26-Oct-98	Small PCB area, East floor	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-002	26-Oct-98	Small PCB area, South Wall	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-003	26-Oct-98	Small PCB area, East Wall	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-004	26-Oct-98	Small PCB area, North Wall	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-005	26-Oct-98	Small PCB area, West floor	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-006	26-Oct-98	Small PCB area, West Wall	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-PERC-001	28-Oct-98	EE/CA node 12	28-Oct-98	Great Lakes	26-Oct-98	Tetrachloroethene	1 DAY	27-Oct-98	27-Oct-98	0	01-Nov-98	Tetrachloroethylene	0.005	U	mg/kg	
VLSC-CS-001	28-Oct-98	1st 180' from RR, East Slope	28-Oct-98	Great Lakes	28-Oct-98	PAHs and Metals	2 DAY	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb & Be	Pb 620		mg/kg	
												Be 0.5	U	mg/kg		
												PAH's	0.87		mg/kg	CUG is 0.8 mg/kg
VLSC-F-RR1k	28-Oct-98	Grid RR1, along railroad	26-Oct-98	Great Lakes	26-Oct-98	Confirmation Pb	24 hr	27-Oct-98	27-Oct-98	0	01-Nov-98	Total Pb	4300		mg/kg	
VLSC-Comp-016	27-Oct-98	South end of Batch 05, 0-20'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.032		mg/L	
VLSC-Comp-017	27-Oct-98	South end of Batch 05, 20-40'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.017		mg/L	
VLSC-Comp-018	27-Oct-98	South end of Batch 05, 40-60'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.078		mg/L	
VLSC-Comp-019	27-Oct-98	South end of Batch 05, 60-80'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.028		mg/L	



SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS
VLSC-Camp-020	27-Oct-98	South end of Batch 05, 80-100'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-Camp-021	27-Oct-98	South end of Batch 06, 0-20'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-Camp-022	27-Oct-98	South end of Batch 06, 20-40'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-Camp-023	27-Oct-98	South end of Batch 06, 40-80'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-Camp-024	27-Oct-98	South end of Batch 04, 0-20'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-Camp-025	27-Oct-98	South end of Batch 04, 20-40'	27-Oct-98	Great Lakes	27-Oct-98	TCLP Confirmation Pb	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	TCLP Lead	0.005	U	mg/l	
VLSC-P-007	27-Oct-98	South Row - #1	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-008	27-Oct-98	South Row - #2	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-009	27-Oct-98	South Row - #3	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	10-40		mg/kg	
VLSC-P-010	27-Oct-98	South Row - #4	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-011	27-Oct-98	South Row - #5	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-012	27-Oct-98	Middle Row - #1	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-013	27-Oct-98	Middle Row - #2	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-014	27-Oct-98	Middle Row - #3	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-015	27-Oct-98	Middle Row - #4	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-016	27-Oct-98	Middle Row - #5	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-017	27-Oct-98	North Row - #1	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-018	27-Oct-98	North Row - #2	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-019	27-Oct-98	North Row - #3	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-P-020	27-Oct-98	North Row - #4	n/a	Onsite	n/a	PCB Screen	n/a	n/a	n/a	n/a	n/a	Total PCBs	5	U	mg/kg	
VLSC-PERC-002	28-Oct-98	PERC Stockpile	28-Oct-98	Great Lakes	28-Oct-98	PERC Confirmation	1 day	29-Oct-98	31-Oct-98	2	03-Nov-98	Tetrachloroethylene	2.3		mg/kg	
VLSC-CRK-001	28-Oct-98	Creek slope/sediment stockpile	28-Oct-98	Great Lakes	28-Oct-98	Landfill Disposal Package	3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	Conventional	50		mg/L	
												Total Cyanide	0.25	U	mg/kg	
												EOX	50	U	mg/kg	
												Phenol	2.3		mg/kg	
												Reactive Cyanide	0.25	U	mg/kg	
												Reactive Sulfide	6.5	U	mg/kg	
												Sulfide	3.2	U	mg/kg	
												pH	12			
												Percent Moisture	22		%	
												Flash Point	>200		F	
												Paint Filter Test	PASS		Pass/Fail	
												Density	1.88		g/ml	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Metals				
												Arsenic	0.05	U	mg/L	
												Barium	2	U	mg/L	
												Cadmium	0.22		mg/L	
												Chromium (Total)	0.01	U	mg/L	
												Copper	41		mg/L	
												Lead	8.4		mg/L	
												Mercury	0.002	U	mg/L	
												Selenium	0.01	U	mg/L	
												Silver	0.05	U	mg/L	
												Zinc	61		mg/L	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	Total Metals				
												Arsenic	13		mg/kg	
												Barium	150		mg/kg	
												Cadmium	0.5	U	mg/kg	
												Chromium (Total)	19		mg/kg	
												Lead	1800		mg/kg	
												Mercury	1.6		mg/kg	
												Selenium	0.5	U	mg/kg	
												Silver	2.5	U	mg/kg	
												Thallium	25	U	mg/kg	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Volatiles	ND		mg/L	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Semi-Volatiles	ND		mg/L	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Pesticides	ND		mg/L	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Herbicides	ND		mg/L	
VLSC-CRK-001							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	Total PCBs	0.86		mg/kg	
VLSC-PCB-002	28-Oct-98	PCB Stockpile	28-Oct-98	Great Lakes	28-Oct-98	Landfill Disposal Package	3 DAY	31-Oct-98	31-Oct-98	0	05-Nov-98	Conventional				
												Total Cyanide	0.25	U	mg/kg	
												EOX	50	U	mg/kg	
												Phenol	2.3		mg/kg	
												Reactive Cyanide	0.25	U	mg/kg	
												Reactive Sulfide	6.5	U	mg/kg	
												Sulfide	3.2	U	mg/kg	
												pH	8.8			
												Percent Moisture	20		%	
												Flash Point	>200		F	
												Paint Filter Test	PASS		Pass/Fail	
												Density	1.85		g/ml	

## SAMPLE TRACKING LOG

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS	
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Metals	Arsenic	0.05	U	mg/L	
												Barium	2	U	mg/L		
												Cadmium	0.11		mg/L		
												Chromium (Total)	0.01	U	mg/L		
												Copper	22		mg/L		
												Lead	5.7		mg/L		
												Mercury	0.002	U	mg/L		
												Selenium	0.01	U	mg/L		
												Silver	0.05	U	mg/L		
												Zinc	61		mg/L		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	Total Metals	Arsenic	5.9		mg/kg	
												Barium	94		mg/kg		
												Cadmium	4.2		mg/kg		
												Chromium (Total)	14		mg/kg		
												Lead	1600		mg/kg		
												Mercury	35		mg/kg		
												Selenium	0.5	U	mg/kg		
												Silver	4.3		mg/kg		
												Thallium	25	U	mg/kg		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Volatiles	ND		mg/L		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Semi-Volatiles	ND		mg/L		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Pesticides	ND		mg/L		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	TCLP Herbicides	ND		mg/L		
VLSC-PCB-002							3 day	31-Oct-98	31-Oct-98	0	05-Nov-98	Total PCBs	20		mg/kg		
VLSC-CS-002	28-Oct-98	1st 160' from RR, West Slope	28-Oct-98	Great Lakes	28-Oct-98	PAHs and Metals	24 hr	29-Oct-98	29-Oct-98	0	03-Nov-98	Pb and Be	Pb 350		mg/kg		
												Be 1.1		mg/kg			
VLSC-CS-003	28-Oct-98	2nd 160' from RR, East Slope	28-Oct-98	Great Lakes	28-Oct-98	PAHs and Metals	2 DAY	30-Oct-98	30-Oct-98	0	04-Nov-98	Benzo(a)pyrene	1.4		mg/kg		
							24 hr	29-Oct-98	29-Oct-98	0	03-Nov-98	Pb and Be	Pb 1200		mg/kg		
												Be 1.3		mg/kg			
VLSC-CS-004	28-Oct-98	2nd 160' from RR, West Slope	28-Oct-98	Great Lakes	28-Oct-98	PAHs and Metals	2 DAY	30-Oct-98	30-Oct-98	0	04-Nov-98	Benzo(a)pyrene	1.1		mg/kg		
							24 hr	29-Oct-98	29-Oct-98	0	03-Nov-98	Pb and Be	Pb 110		mg/kg		
												Be 0.05	U	mg/kg			
VLSC-CS-005	28-Oct-98	3rd 160' from RR, East Slope	28-Oct-98	Great Lakes	28-Oct-98	PAHs and Metals	2 DAY	30-Oct-98	30-Oct-98	0	04-Nov-98	PAHs	**		mg/kg	** below action levels	
							24 hr	29-Oct-98	29-Oct-98	0	03-Nov-98	Pb and Be	Pb 840		mg/kg		
												Be 0.05	U	mg/kg			
VLSC-P-021	29-Oct-98	81' West from Center	28-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	2 DAY	30-Oct-98	30-Oct-98	0	04-Nov-98	PAHs	**		mg/kg	** below action levels	
VLSC-P-022	29-Oct-98	54' West from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-023	29-Oct-98	27' West from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.67	U	mg/kg		
VLSC-P-024	29-Oct-98	Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-025	29-Oct-98	67.5' West, 23.5 South from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-026	29-Oct-98	40.5' West, 23.5 South from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-027	29-Oct-98	13.5' West, 23.5 South from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.084	U	mg/kg		
VLSC-P-028	29-Oct-98	13.5' West, 23.5 North from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-029	29-Oct-98	47' North of Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-030	29-Oct-98	Small area, East floor	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-031	29-Oct-98	Small area, West floor	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-032	29-Oct-98	Duplicate of P-026	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-P-033	29-Oct-98	47' South, 27' West from Center	29-Oct-98	Great Lakes	29-Oct-98	PCB Confirmation	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	PCB	0.05	U	mg/kg		
VLSC-Comp-026	28-Oct-98	South end of Batch 07, 0-20'	29-Oct-98	Great Lakes	29-Oct-98	TCLP Confirmation Pb	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	TCLP Lead	0.005	U	mg/kg		
VLSC-Comp-027	28-Oct-98	South end of Batch 07, 20-40'	29-Oct-98	Great Lakes	29-Oct-98	TCLP Confirmation Pb	3 DAY	02-Nov-98	03-Nov-98	1	07-Nov-98	TCLP Lead	0.005	U	mg/kg		
VLSC-CS-006	28-Oct-98	1st 160' from RR, Sediment	29-Oct-98	Great Lakes	29-Oct-98	PAHs and Metals	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	Pb and Be	Pb 480		mg/kg		
												Be 0.5	U	mg/kg			
VLSC-CS-007	28-Oct-98	2nd 160' from RR, Sediment	29-Oct-98	Great Lakes	29-Oct-98	PAHs and Metals	2 DAY	31-Oct-98	31-Oct-98	0	05-Nov-98	PAHs	**		mg/kg	** below action levels	
							24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	Pb and Be	Pb 450		mg/kg		
												Be 0.5	U	mg/kg			
VLSC-Comp-028	29-Oct-98	South end of Batch 07, 40-60'	29-Oct-98	Great Lakes	29-Oct-98	TCLP Confirmation Pb	2 DAY	31-Oct-98	31-Oct-98	0	05-Nov-98	PAHs	**		mg/kg	** below action levels	
VLSC-F-019	29-Oct-98	Grid 19 North and East of D18	29-Oct-98	Great Lakes	29-Oct-98	Total Pb and Be	3 DAY	02-Nov-98	02-Nov-98	240	07-Nov-98	TCLP Lead	0.005	U	mg/L		
VLSC-CS-008	28-Oct-98	3rd 160' from RR, West Slope	29-Oct-98	Great Lakes	29-Oct-98	PAHs and Metals	24 hr	30-Oct-98	30-Oct-98	0	04-Nov-98	Total Pb & Be	Pb 5300		mg/kg		
												Be 0.5	U	mg/kg			
VLSC-Comp-029	30-Oct-98	Batch 12, Characterization	30-Oct-98	Great Lakes	30-Oct-98	TCLP Lead	2 DAY	31-Oct-98	31-Oct-98	0	09-Nov-98	Benzo(a)pyrene	0.81		mg/kg	CUG is 0.80 mg/kg	
VLSC-FL-013	31-Oct-98	Perimeter fence, 60' north of the west gate	31-Oct-98	Great Lakes	31-Oct-98	Confirmation Pb & Be	3 DAY	03-Nov-98	04-Nov-98	1	08-Nov-98	TCLP Lead	0.12		mg/L		
VLSC-FL-014	31-Oct-98	Perimeter fence, 80' south of west gate	31-Oct-98	Great Lakes	31-Oct-98	Confirmation Pb & Be	24 hr	02-Nov-98	02-Nov-98	0	07-Nov-98	Total Pb & Be	Pb 53		mg/kg		
												Be 1.1		mg/kg			
VLSC-CS-010	04-Nov-98	320' from RR, east slope	04-Nov-98	Great Lakes	04-Nov-98	PAHs and Metals	24 hr	05-Nov-98	05-Nov-98	0	10-Nov-98	Total Be	3.2		mg/kg		
VLSC-CS-011	04-Nov-98	Duplicate of CS-010	04-Nov-98	Great Lakes	04-Nov-98	PAHs and Metals	2 DAY	06-Nov-98	06-Nov-98	0	11-Nov-98	Benzo(a)pyrene	0.52		mg/kg		
							24 hr	05-Nov-98	05-Nov-98	0	10-Nov-98	Total Be	3.1		mg/kg		
							2 DAY	06-Nov-98	06-Nov-98	0	11-Nov-98	Benzo(a)pyrene	0.55		mg/kg		

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS
VLSC-Comp-030	05-Nov-98	Creek slope/sediment, Batch 9	05-Nov-98	Great Lakes	05-Nov-98	TCLP Confirmation Pb	3 day	09-Nov-98	10-Nov-98	1	14-Nov-98	TCLP Lead	0.54		mg/kg	no charge by GLA
VLSC-CS-012	05-Nov-98	80 feet north of MLK drive West slope	05-Nov-98	Great Lakes	05-Nov-98	PAHs and Metals	24 hr	06-Nov-98	06-Nov-98	0	11-Nov-98	Total Pb & Be	Pb 77 Be 0.61		mg/kg	
VLSC-CS-013	05-Nov-98	160 feet north of CS-012	05-Nov-98	Great Lakes	05-Nov-98	PAHs and Metals	2 DAY	07-Nov-98	06-Nov-98	0	12-Nov-98	Benzo(a)pyrene	1		mg/kg	
							24 hr	06-Nov-98	06-Nov-98	0	11-Nov-98	Total Pb & Be	Pb 310 Be 0.91		mg/kg	
VLSC-Comp-031	05-Nov-98	Batch 8, Treatment Confirm, ~300 cy	05-Nov-98	Great Lakes	05-Nov-98	TCLP Confirmation Pb	3 day	09-Nov-98	10-Nov-98	1	14-Nov-98	TCLP Lead	0.064		mg/kg	no charge by GLA
VLSC-Comp-032	05-Nov-98	Batch 8, Treatment Confirm, ~300 cy	05-Nov-98	Great Lakes	05-Nov-98	TCLP Confirmation Pb	3 day	09-Nov-98	10-Nov-98	1	14-Nov-98	TCLP Lead	0.18		mg/kg	no charge by GLA
VLSC-Comp-033	05-Nov-98	Batch 8, Treatment Confirm, ~300 cy	05-Nov-98	Great Lakes	05-Nov-98	TCLP Confirmation Pb	3 day	09-Nov-98	10-Nov-98	1	14-Nov-98	TCLP Lead	0.046		mg/kg	no charge by GLA
VLSC-CS-013A	06-Nov-98	Creek slope grid 02, west slope	06-Nov-98	Great Lakes	06-Nov-98	PAHs and Metals	24 hr	07-Nov-98	09-Nov-98	2	12-Nov-98	Total Pb & Be	Pb 260 Be 0.5		mg/kg	
VLSC-CS-014	06-Nov-98	Creek sediment grid 15, south of bridge, approx 100'	06-Nov-98	Great Lakes	06-Nov-98	PAHs and Metals	2 DAY	09-Nov-98	10-Nov-98	1	14-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	07-Nov-98	09-Nov-98	2	12-Nov-98	Total Pb & Be	Pb 5 Be 0.5	U	mg/kg	
VLSC-F-020	07-Nov-98	Grid 20 north of Grid 17	07-Nov-98	Great Lakes	07-Nov-98	Confirmation Pb & Be	2 DAY	09-Nov-98	10-Nov-98	1	14-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	09-Nov-98	08-Nov-98	0	14-Nov-98	Total Pb & Be	Pb 4500 Be 0.55		mg/kg	
VLSC-F-020H	09-Nov-98	Grid 20 north of Grid 17	09-Nov-98	Great Lakes	09-Nov-98	Confirmation Pb	24 hr	10-Nov-98	10-Nov-98	0	15-Nov-98	Total Pb	1000		mg/kg	
VLSC-CS-015	10-Nov-98	Creek sediment grid 16	10-Nov-98	Great Lakes	10-Nov-98	PAHs and Metals	24 hr	11-Nov-98	11-Nov-98	0	16-Nov-98	Total Pb & Be	Pb 81 Be 0.5	U	mg/kg	
VLSC-CS-016	10-Nov-98	Creek slope grid 11	10-Nov-98	Great Lakes	10-Nov-98	PAHs and Metals	2 DAY	12-Nov-98	13-Nov-98	1	17-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	11-Nov-98	11-Nov-98	0	16-Nov-98	Total Pb & Be	Pb 59 Be 0.5		mg/kg	
VLSC-CS-017	10-Nov-98	Creek sediment grid 16	10-Nov-98	Great Lakes	10-Nov-98	PAHs and Metals	2 DAY	12-Nov-98	13-Nov-98	1	17-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	11-Nov-98	11-Nov-98	0	16-Nov-98	Total Pb & Be	Pb 30 Be 0.5		mg/kg	
VLSC-CS-018	10-Nov-98	Creek sediment grid 15, north of bridge	10-Nov-98	Great Lakes	10-Nov-98	PAHs and Metals	2 DAY	12-Nov-98	13-Nov-98	1	17-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	11-Nov-98	11-Nov-98	0	16-Nov-98	Total Pb & Be	Pb 1000 Be 0.5		mg/kg	
VLSC-CS-019	11-Nov-98	Creek slope grid 12	11-Nov-98	Great Lakes	11-Nov-98	PAHs	2 DAY	13-Nov-98	13-Nov-98	0	17-Nov-98	PAHs	**		mg/kg	** below action levels
VLSC-CS-020	11-Nov-98	Creek slope grid 10	11-Nov-98	Great Lakes	11-Nov-98	PAHs	2 DAY	13-Nov-98	13-Nov-98	0	18-Nov-98	PAHs	**		mg/kg	** below action levels
VLSC-CS-021	11-Nov-98	Creek slope grid 08	11-Nov-98	Great Lakes	11-Nov-98	PAHs and Metals	24 hr	12-Nov-98	12-Nov-98	0	17-Nov-98	Total Pb & Be	Pb 170 Be 0.5		mg/kg	
VLSC-CS-022	11-Nov-98	Creek slope grid 06	11-Nov-98	Great Lakes	11-Nov-98	PAHs and Metals	2 DAY	13-Nov-98	13-Nov-98	0	18-Nov-98	PAHs	**		mg/kg	** below action levels
							24 hr	12-Nov-98	12-Nov-98	0	17-Nov-98	Total Pb & Be	Pb 300 Be 1.0		mg/kg	
VLSC-CS-023	11-Nov-98	Creek slope grid 07	11-Nov-98	Great Lakes	11-Nov-98	PAHs and Metals	2 DAY	13-Nov-98	13-Nov-98	0	18-Nov-98	PAHs	**		mg/kg	
							24 hr	12-Nov-98	12-Nov-98	0	17-Nov-98	Total Pb & Be	Pb 1000 Be 0.5		mg/kg	
VLSC-Comp-034	11-Nov-98	Batch 013, 0-300 cuyd	11-Nov-98	Great Lakes	11-Nov-98	TCLP Confirmation Pb	2 DAY	13-Nov-98	13-Nov-98	0	18-Nov-98	Benzo(a)pyrene	0.87		mg/kg	CUG is 0.80 mg/kg
VLSC-Comp-035	11-Nov-98	Batch 013, 300-600 cuyd	11-Nov-98	Great Lakes	11-Nov-98	TCLP Confirmation Pb	3 day	13-Nov-98	13-Nov-98	0	18-Nov-98	TCLP Lead	7.8		mg/L	
VLSC-Comp-036	12-Nov-98	Batch 013, 600-900 cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.23		mg/L	
VLSC-Comp-037	12-Nov-98	Batch 013, 900-1200 cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.44		mg/L	
VLSC-Comp-038	12-Nov-98	Batch 013, 1200-1500 cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.3		mg/L	
VLSC-Comp-039	12-Nov-98	Batch 013, 1500- cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.024		mg/L	
VLSC-Comp-040	12-Nov-98	Batch 015, 0-300 cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	12		mg/L	
VLSC-Comp-041	12-Nov-98	Batch 015, 300-600 cuyd	12-Nov-98	Great Lakes	12-Nov-98	Characterization										
VLSC-Comp-042	12-Nov-98	Batch 015, 600-900 cuyd	12-Nov-98	Great Lakes	12-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.46		mg/L	
VLSC-CS-024	13-Nov-98	Creek slope grid 09	13-Nov-98	Great Lakes	13-Nov-98	TCLP Confirmation Pb	2 DAY	14-Nov-98	13-Nov-98	0	19-Nov-98	TCLP Lead	0.1		mg/L	
							24 hr	14-Nov-98	14-Nov-98	0	19-Nov-98	Total Pb & Be	Pb 50 Be 0.5		mg/kg	
VLSC-PCB-003	13-Nov-98	Batch 011, 0-300 cuyd	13-Nov-98	Great Lakes	13-Nov-98	RCRA TCLP Metals	2 DAY	16-Nov-98	14-Nov-98	225	21-Nov-98	PAHs	**		mg/kg	** below action levels
												Arsenic	0.05		mg/L	
												Barium	2		mg/L	
												Cadmium	0.25		mg/L	
												Chromium (Total)	0.01		mg/L	
												Lead	8.2		mg/L	
												Mercury	0.002	U	mg/L	
												Selenium	0.01	U	mg/L	
												Silver	0.05	U	mg/L	
VLSC-PCB-004	13-Nov-98	Batch 011, 300-600 cuyd	13-Nov-98	Great Lakes	13-Nov-98	TCLP Confirmation Pb	2 Day	16-Nov-98	16-Nov-98	0	21-Nov-98	TCLP Lead	4.4		mg/L	
VLSC-CS-025	13-Nov-98	Creek sediment grid 17	13-Nov-98	Great Lakes	13-Nov-98	PAHs and Metals	24 hr	14-Nov-98	14-Nov-98	0	19-Nov-98	Total Pb & Be	Pb 8.8 Be 0.5	U	mg/kg	
							24 hr	14-Nov-98	16-Nov-98	2	19-Nov-98	PAHs	**		mg/kg	
VLSC-CS-026	13-Nov-98	Creek slope grid 03	13-Nov-98	Great Lakes	13-Nov-98	PAHs and Metals	24 hr	14-Nov-98	14-Nov-98	0	19-Nov-98	Total Be	0.55		mg/kg	
							24 hr	14-Nov-98	16-Nov-98	2	19-Nov-98	Benzo(a)pyrene	**		mg/kg	
VLSC-F-021	13-Nov-98	Grid F-021	13-Nov-98	Great Lakes	13-Nov-98	Confirmation Pb & Be	24 hr	14-Nov-98	14-Nov-98	0	19-Nov-98	Total Pb & Be	Pb 190 Be 0.50	U	mg/kg	
VLSC-Comp-043	13-Nov-98	Batch 014, 0-1000 cuyd	13-Nov-98	Great Lakes	13-Nov-98	TCLP Confirmation Pb	2 Day	16-Nov-98	16-Nov-98	0	21-Nov-98	TCLP Lead	2.3		mg/L	
VLSC-Comp-044	13-Nov-98	Batch 014, 1000-2000 cuyd	13-Nov-98	Great Lakes	13-Nov-98	TCLP Confirmation Pb	2 Day	16-Nov-98	16-Nov-98	0	21-Nov-98	TCLP Lead	6.9		mg/L	
VLSC-CS-027	13-Nov-98	Creek slope grid 01	13-Nov-98	Great Lakes	13-Nov-98	PAHs	24 hr	14-Nov-98	16-Nov-98	2	19-Nov-98	Benzo(a)pyrene	ND		mg/kg	

SAMPLE ID	DATE COLLECTED	LOCATION	DATE SHIPPED	SELECTED LAB	LAB RECEIPT DATE	ANALYSIS TYPE	TAT	PRELIMINARY DUE DATE	ACTUAL FAX DATE	DAYS LATE	FINAL REPORT DUE DATE	ANALYTE	RESULT	FLAG	UNITS	COMMENTS	
VLSC-Comp-045	16-Nov-98	North 100 ft of Batch 014	18-Nov-98	EMT	18-Nov-98	TCLP Confirmation Pb	2 Day	20-Nov-98	20-Nov-98	0	25-Nov-98	TCLP Lead	1.36			mg/L	Verbal 11/20 (No QC data)
VLSC-FL-016	16-Nov-98	Fence line west of Pettibone creek	18-Nov-98	EMT	18-Nov-98	Confirmation Pb & Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb & Be	Pb 749 Be 0.53			mg/kg	Verbal 11/18
VLSC-F-018I	16-Nov-98	Grid F-018, 80' by 80'	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb	1130			mg/kg	Verbal 11/18
VLSC-F-RR1P	16-Nov-98	Railroad Property	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb	2340			mg/kg	Verbal 11/18
VLSC-F-019G	17-Nov-98	Grid F-019	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb	1160			mg/kg	Verbal 11/18
VLSC-F-022	17-Nov-98	Grid F-022	18-Nov-98	EMT	18-Nov-98	Confirmation Pb & Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb & Be	Pb 222 Be 0.5			mg/kg	Verbal 11/18
VLSC-F-023	17-Nov-98	Grid F-023	18-Nov-98	EMT	18-Nov-98	Confirmation Pb & Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb & Be	Pb 1110 Be 0.57			mg/kg	Verbal 11/18
VLSC-F-024	17-Nov-98	Grid F-024	18-Nov-98	EMT	18-Nov-98	Confirmation Pb & Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb & Be	Pb 1040 Be 1.01			mg/kg	Verbal 11/18
VLSC-F-025	17-Nov-98	Grid F-025	18-Nov-98	EMT	18-Nov-98	Confirmation Pb & Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Pb & Be	Pb 665 Be 0.5		U	mg/kg	Verbal 11/18
VLSC-CS-028	17-Nov-98	Creek slope grid 06	18-Nov-98	EMT	18-Nov-98	Confirmation Be	24 hr	19-Nov-98	19-Nov-98	0	24-Nov-98	Total Be	0.5		U	mg/kg	Verbal 11/18
VLSC-CS-029	17-Nov-98	Creek slope grid 07	18-Nov-98	EMT	18-Nov-98	Benzo(a)pyrene	2 Day	20-Nov-98	20-Nov-98	0	25-Nov-98	Benzo(a)pyrene	0.14			mg/kg	Verbal 11/20 (No QC data)
VLSC-PCB-005	17-Nov-98	South half of the PCB pile	18-Nov-98	EMT	18-Nov-98	TCLP Confirmation Pb	2 Day	20-Nov-98	20-Nov-98	0	25-Nov-98	TCLP Lead	0.81			mg/L	Verbal 11/20 (No QC data)
VLSC-Comp-048	17-Nov-98	Batch 013, 0-300 cuyd	18-Nov-98	EMT	18-Nov-98	TCLP Confirmation Pb	2 Day	20-Nov-98	20-Nov-98	0	25-Nov-98	TCLP Lead	0.2		U	mg/L	Verbal 11/20 (No QC data)
VLSC-F-RR1L	16-Nov-98	Railroad Property Subgrid A	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	20-Nov-98	19-Nov-98	0	25-Nov-98	Total Pb	989			mg/kg	
VLSC-F-RR1M	16-Nov-98	Railroad Property Subgrid B	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	20-Nov-98	19-Nov-98	0	25-Nov-98	Total Pb	2170			mg/kg	
VLSC-F-RR1N	16-Nov-98	Railroad Property Subgrid C	18-Nov-98	EMT	18-Nov-98	Confirmation Pb	24 hr	20-Nov-98	19-Nov-98	0	25-Nov-98	Total Pb	3460			mg/kg	
VLSC-F-RR1Q	16-Nov-98	Railroad Property Subgrid C, east half	20-Nov-98	EMT	21-Nov-98	Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb	7620			mg/kg	
VLSC-F-RR1R	16-Nov-98	Railroad Property Subgrid C, west half	20-Nov-98	EMT	21-Nov-98	Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb	2200			mg/kg	
VLSC-F-025D	18-Nov-98	Subgrid D of Grid F-025	20-Nov-98	EMT	21-Nov-98	Confirmation Pb & Be	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb & Be	Pb 3810 Be 0.5		U	mg/kg	
VLSC-F-024B	18-Nov-98	Subgrid B of Grid F-024	20-Nov-98	EMT	21-Nov-98	Confirmation Pb & Be	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb & Be	Pb 288 Be 0.5		U	mg/kg	
VLSC-Comp-047	20-Nov-98	Batch 014, 0-300 cuyd from the south	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	0.2		U	mg/kg	
VLSC-Comp-048	20-Nov-98	Batch 014, 300-600 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	0.2		U	mg/L	
VLSC-Comp-049	20-Nov-98	Batch 014, 600-900 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	0.2		U	mg/L	
VLSC-Comp-050	20-Nov-98	Batch 014, 900-1200 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	0.96			mg/L	
VLSC-F-028	20-Nov-98	Grid F-028	20-Nov-98	EMT	21-Nov-98	Confirmation Pb & Be	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb & Be	13700 Be 0.5		U	mg/kg	
VLSC-Comp-051	20-Nov-98	Batch 17, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	42.8			mg/L	
VLSC-Comp-052	20-Nov-98	Batch 18, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	85.8			mg/L	
VLSC-Comp-053	20-Nov-98	Batch 19, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	77.9			mg/L	
VLSC-Comp-054	20-Nov-98	Batch 20, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	73.5			mg/L	
VLSC-F-027	20-Nov-98	Grid F-027	20-Nov-98	EMT	21-Nov-98	Confirmation Pb & Be	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb & Be	Pb 7870 Be 0.5		U	mg/kg	
VLSC-F-029	20-Nov-98	Grid F-029, subgrids A, B and C only	20-Nov-98	EMT	21-Nov-98	Confirmation Pb & Be	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	Total Pb & Be	10400 Be 0.5		U	mg/kg	
VLSC-Comp-055	20-Nov-98	Batch 21, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	44.4			mg/L	
VLSC-Comp-056	20-Nov-98	Batch 22, 1000 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	9.44			mg/L	
VLSC-Comp-057	20-Nov-98	Batch 16, 0-300 cuyd	20-Nov-98	EMT	21-Nov-98	TCLP Confirmation Pb	3 Day	25-Nov-98	25-Nov-98	0	30-Nov-98	TCLP Lead	0.91			mg/L	
VLSC-TD-026A-1	30-Nov-98	Grid F-026 west	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	10800			mg/kg	
VLSC-TD-026B-1	30-Nov-98	Grid F-026 middle	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	6370			mg/kg	
VLSC-TD-026C-1	30-Nov-98	Grid F-026 east	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	9050			mg/kg	
VLSC-TD-027A-1	30-Nov-98	Grid F-027, subgrid D	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	14.7			mg/kg	
VLSC-TD-027B-1	30-Nov-98	Grid F-027, subgrid C	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	25.7			mg/kg	
VLSC-TD-027C-1	30-Nov-98	Grid F-027, subgrid B	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	65.5			mg/kg	
VLSC-TD-029A-1	30-Nov-98	Grid F-029, subgrid B	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	26.2			mg/kg	
VLSC-TD-029B-1	30-Nov-98	Grid F-029, subgrid C	01-Dec-98	EMT	01-Dec-98	Test Dig. Lead	24 hr	02-Dec-98	02-Dec-98	0	07-Dec-98	Total Pb	14.8			mg/kg	
VLSC-Comp-058	01-Dec-98	Batch 17, 0-300 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	12.8			mg/L	
VLSC-Comp-059	01-Dec-98	Batch 17, 300-600 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	6.89			mg/L	
VLSC-Comp-060	01-Dec-98	Batch 17, 600-900 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	1.57			mg/L	
VLSC-Comp-061	01-Dec-98	Batch 17/18, 900-1000/100-200	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	24			mg/L	
VLSC-Comp-062	01-Dec-98	Batch 18, 200-500 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	2.58			mg/L	
VLSC-Comp-063	01-Dec-98	Batch 18, 500-800 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	1.86			mg/L	
VLSC-Comp-064	01-Dec-98	Batch 18/19, 800-1000/0-100	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	3.26			mg/L	
VLSC-Comp-065	01-Dec-98	Batch 19, 100-4000 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	6.88			mg/L	
VLSC-Comp-066	01-Dec-98	Batch 19, 400-700 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	16.4			mg/L	
VLSC-Comp-067	01-Dec-98	Batch 19, 700-1000 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	19.6			mg/L	
VLSC-Comp-068	01-Dec-98	Batch 20, 0-300 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	0.62			mg/L	
VLSC-Comp-069	01-Dec-98	Batch 20, 300-600 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	6.47			mg/L	
VLSC-Comp-070	01-Dec-98	Batch 20, 600-1000 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	03-Dec-98	0	09-Dec-98	TCLP Lead	12.6			mg/L	
VLSC-Comp-071	01-Dec-98	Batch 22, 0-300 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	TCLP Lead	0.43			mg/L	
VLSC-Comp-072	01-Dec-98	Batch 22, 300-600 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	TCLP Lead	1.64			mg/L	
VLSC-Comp-073	01-Dec-98	Batch 22, 600-1000 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	TCLP Lead	0.27			mg/L	
VLSC-Comp-074	01-Dec-98	Batch 21, 0-300 cuyd	01-Dec-98	EMT	01-Dec-98	TCLP Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	TCLP Lead	0.2		U	mg/L	
VLSC-Comp-075	02-Dec-98	Batch 21, 300-600 cuyd	02-Dec-98	EMT	02-Dec-98	TCLP Confirmation Pb	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	TCLP Lead	0.46			mg/L	
VLSC-Comp-076	02-Dec-98	Batch 21, 600-900 cuyd	02-Dec-98	EMT	02-Dec-98	TCLP Confirmation Pb	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	TCLP Lead	2.57			mg/L	
VLSC-Comp-077	02-Dec-98	Batch 21, 900-1200 cuyd	02-Dec-98	EMT	02-Dec-98	TCLP Confirmation Pb	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	TCLP Lead	22.6			mg/L	
VLSC-P-034	02-Dec-98	13.5' East, 23.5' South from Center	02-Dec-98	EMT	02-Dec-98	PCB Confirmation	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	PCB	0.2		U	mg/kg	Ordered 12/3

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VLSC-P-035	02-Dec-98	27' East, 47' South from Center	02-Dec-98	EMT	02-Dec-98	PCB Confirmation	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/3
VLSC-P-036	02-Dec-98	13.5' East, 23.5' North from Center	02-Dec-98	EMT	02-Dec-98	PCB Confirmation	3 Day	05-Dec-98	04-Dec-98	0	10-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/3
VLSC-P-037	03-Dec-98	47' South from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/4
VLSC-P-038	03-Dec-98	27' East, 47' South from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/4
VLSC-P-039	03-Dec-98	40.5' East, 23.5' South from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.593		mg/kg	Ordered 12/4
VLSC-P-040	03-Dec-98	54' East from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/4
VLSC-P-041	03-Dec-98	40.5' East, 23.5' North from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/4
VLSC-P-042	03-Dec-98	Duplicate of VLSC-P-041	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.16	U	mg/kg	Ordered 12/4, Dup of P-041
VLSC-P-043	03-Dec-98	27' East, 47' North from Center	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	PCB	0.2	U	mg/kg	Ordered 12/4
VLSC-PCB-006	03-Dec-98	PCB batch 23	03-Dec-98	EMT	03-Dec-98	PCB Confirmation	3 Day	07-Dec-98	08-Dec-98	1	12-Dec-98	PCB	35.1		mg/kg	Ordered 12/4, Result late
VLSC-F-0261	03-Dec-98	Grid F-026, subgrid A	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	Total Pb	2660		mg/kg	Ordered 12/4, Dup of F-0261
VLSC-F-026J	03-Dec-98	Duplicate of VLSC-F-0261	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	3 Day	04-Dec-98	04-Dec-98	0	09-Dec-98	Total Pb	2320		mg/kg	Ordered 12/4, Dup of F-0261
VLSC-Comp-078	04-Dec-98	Batch 20, 800-1000 cuyd	04-Dec-98	EMT	04-Dec-98	TCLP Confirmation Pb	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	TCLP Lead	0.2		mg/L	results due 12/7/98 0700
VLSC-Comp-079	04-Dec-98	Batch 20, 300-600 cuyd	04-Dec-98	EMT	04-Dec-98	TCLP Confirmation Pb	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	TCLP Lead	0.2		mg/L	results due 12/7/98 0700
VLSC-Comp-080	04-Dec-98	Batch 19, 700-1000 cuyd	04-Dec-98	EMT	04-Dec-98	TCLP Confirmation Pb	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	TCLP Lead	0.2		mg/L	results due 12/7/98 0700
VLSC-Comp-081	04-Dec-98	Batch 19, 400-700 cuyd	04-Dec-98	EMT	04-Dec-98	TCLP Confirmation Pb	3 Day	07-Dec-98	07-Dec-98	0	12-Dec-98	TCLP Lead	0.2		mg/L	results due 12/7/98 0700
VLSC-FL-017	05-Dec-98	West gate entrance, 30'	05-Dec-98	EMT	05-Dec-98	Confirmation Pb & Be	24 hr	07-Dec-98	07-Dec-98	0	12-Dec-98	Total Pb & Be	Pb 8.82 Be 0.5	U	mg/kg	results due 12/7/98 0700
VLSC-Comp-082	07-Dec-98	Batch 21, 900-1200 cuyd	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	09-Dec-98	09-Dec-98	0	14-Dec-98	TCLP Lead	0.24		mg/L	
VLSC-Comp-083	07-Dec-98	Batch 23, 0-300 cuyd North side	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	09-Dec-98	09-Dec-98	0	14-Dec-98	TCLP Lead	0.79		mg/L	
VLSC-Comp-084	07-Dec-98	Batch 23, 300-600 cuyd South side	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	09-Dec-98	09-Dec-98	0	14-Dec-98	TCLP Lead	0.88		mg/L	
VLSC-Comp-085	07-Dec-98	Batch 19, 100-4000 cuyd	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	09-Dec-98	0	15-Dec-98	TCLP Lead	0.2	U	mg/L	
VLSC-Comp-086	07-Dec-98	Batch 17/18, 900-1000/100-200	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	09-Dec-98	0	15-Dec-98	TCLP Lead	1.12		mg/L	
VLSC-Comp-087	07-Dec-98	Batch 17, 300-600 cuyd	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	09-Dec-98	0	15-Dec-98	TCLP Lead	0.61		mg/L	
VLSC-Comp-088	07-Dec-98	Batch 17, 0-300 cuyd	07-Dec-98	EMT	07-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	09-Dec-98	0	15-Dec-98	TCLP Lead	0.4		mg/L	
VLSC-F-026E	03-Dec-98	Grid F-026, subgrid A	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	24 hr	08-Dec-98	07-Dec-98	0	13-Dec-98	Total Pb	4540		mg/kg	Ordered 12/7
VLSC-F-026F	03-Dec-98	Grid F-026, subgrid B	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	24 hr	08-Dec-98	07-Dec-98	0	13-Dec-98	Total Pb	4880		mg/kg	Ordered 12/7
VLSC-F-026G	03-Dec-98	Grid F-026, subgrid C	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	24 hr	08-Dec-98	07-Dec-98	0	13-Dec-98	Total Pb	708		mg/kg	Ordered 12/7
VLSC-F-026H	03-Dec-98	Grid F-026, subgrid D	03-Dec-98	EMT	03-Dec-98	Confirmation Pb	24 hr	08-Dec-98	07-Dec-98	0	13-Dec-98	Total Pb	413		mg/kg	Ordered 12/7
VLSC-F-026M	08-Dec-98	Grid F-026, subgrids A & B	08-Dec-98	EMT	08-Dec-98	Confirmation Pb	24 hr	09-Dec-98	09-Dec-98	0	14-Dec-98	Total Pb	18.6		mg/kg	
VLSC-Comp-089	08-Dec-98	Batch 24, 0-300 cuyd North side	08-Dec-98	EMT	08-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	10-Dec-98	0	15-Dec-98	TCLP Lead	0.2	U	mg/L	
VLSC-Comp-090	08-Dec-98	Batch 24, 300-600 cuyd	08-Dec-98	EMT	08-Dec-98	TCLP Confirmation Pb	2 Day	10-Dec-98	10-Dec-98	0	15-Dec-98	TCLP Lead	0.25		mg/L	
VLSC-Comp-091	09-Dec-98	Batch 24, 600-900 cuyd	09-Dec-98	EMT	09-Dec-98	TCLP Confirmation Pb	2 Day	11-Dec-98	11-Dec-98	0	16-Dec-98	TCLP Lead	5.93		mg/L	
VLSC-Comp-092	09-Dec-98	Batch 25, 0-300 cuyd	09-Dec-98	EMT	09-Dec-98	TCLP Confirmation Pb	2 Day	11-Dec-98	11-Dec-98	0	16-Dec-98	TCLP Lead	9.49		mg/L	
VLSC-F-0271	09-Dec-98	Grid F-027, subgrid D of Grid 25 included	09-Dec-98	EMT	09-Dec-98	Confirmation Pb	24 hr	10-Dec-98	10-Dec-98	0	15-Dec-98	Total Pb	30.6		mg/kg	
VLSC-F-029E	09-Dec-98	Grid F-029, North half	09-Dec-98	EMT	09-Dec-98	Confirmation Pb	24 hr	10-Dec-98	10-Dec-98	0	15-Dec-98	Total Pb	24		mg/kg	
VLSC-F-028	10-Dec-98	Grid F-028	10-Dec-98	EMT	10-Dec-98	Confirmation Pb	24 hr	11-Dec-98	11-Dec-98	0	16-Dec-98	Total Pb	Pb 850 Be 0.5	U	mg/kg	
VLSC-F-029F	10-Dec-98	Grid F-029, South half	10-Dec-98	EMT	10-Dec-98	Confirmation Pb	24 hr	11-Dec-98	11-Dec-98	0	16-Dec-98	Total Pb	Pb 738 Be 0.5	U	mg/kg	
VLSC-F-024B	10-Dec-98	Grid F-024, subgrid B	10-Dec-98	EMT	10-Dec-98	Confirmation Pb	24 hr	11-Dec-98	11-Dec-98	0	16-Dec-98	Total Pb	Pb 22.1 Be 0.62		mg/kg	
VLSC-F-023B	10-Dec-98	Grid F-023, subgrid B	10-Dec-98	EMT	10-Dec-98	Confirmation Pb	24 hr	11-Dec-98	11-Dec-98	0	16-Dec-98	Total Pb	Pb 45.8 Be 0.63		mg/kg	
VLSC-Comp-093	10-Dec-98	Batch 25, 300-600 cuyd	10-Dec-98	EMT	10-Dec-98	TCLP Confirmation Pb	2 Day	12-Dec-98	12-Dec-98	0	17-Dec-98	TCLP Lead	2.37		mg/L	
VLSC-F-030	11-Dec-98	Grid F-030	11-Dec-98	EMT	11-Dec-98	Confirmation Pb & Be	24 hr	12-Dec-98	12-Dec-98	0	17-Dec-98	Total Pb & Be	Pb 39.1 Be 0.62		mg/kg	
VLSC-F-032A	11-Dec-98	Grid F-032, North half	11-Dec-98	EMT	11-Dec-98	Confirmation Pb & Be	24 hr	12-Dec-98	12-Dec-98	0	17-Dec-98	Total Pb & Be	Pb 95.7 Be 0.55		mg/kg	
VLSC-Comp-094	11-Dec-98	300 cuyd	11-Dec-98	EMT	11-Dec-98	TCLP Confirmation Pb	2 Day	14-Dec-98	12-Dec-98	0	19-Dec-98	TCLP Lead	0.2	U	mg/L	
VLSC-Comp-095	11-Dec-98	300 cuyd	11-Dec-98	EMT	11-Dec-98	TCLP Confirmation Pb	2 Day	14-Dec-98	12-Dec-98	0	19-Dec-98	TCLP Lead	4.59		mg/L	
VLSC-Comp-096	15-Dec-98	retreat comp-092	15-Dec-98	EMT	15-Dec-98	TCLP Confirmation Pb	2 Day	17-Dec-98	17-Dec-98	0	22-Dec-98	TCLP Lead	0.2	U	mg/L	
VLSC-Comp-097	15-Dec-98	retreat comp-091	15-Dec-98	EMT	15-Dec-98	TCLP Confirmation Pb	2 Day	17-Dec-98	17-Dec-98	0	22-Dec-98	TCLP Lead	0.25		mg/L	
VLSC-Comp-098	15-Dec-98	untreated soils	15-Dec-98	EMT	15-Dec-98	TCLP Confirmation Pb	2 Day	17-Dec-98	17-Dec-98	0	22-Dec-98	TCLP Lead	35.5		mg/L	
VLSC-Comp-099	15-Dec-98	300 cuyd	15-Dec-98	EMT	15-Dec-98	TCLP Confirmation Pb	2 Day	17-Dec-98	17-Dec-98	0	22-Dec-98	TCLP Lead	1.92		mg/L	
VLSC-Comp-100	15-Dec-98	300 cuyd	15-Dec-98	EMT	15-Dec-98	TCLP Confirmation Pb	2 Day	17-Dec-98	17-Dec-98	0	22-Dec-98	TCLP Lead	2.7		mg/L	
VLSC-F-031	15-Dec-98	Grid F-031	15-Dec-98	EMT	15-Dec-98	Confirmation Pb & Be	24 hr	16-Dec-98	16-Dec-98	0	21-Dec-98	Total Pb & Be	Pb 1450 Be 0.62		mg/kg	
VLSC-F-032B	15-Dec-98	Grid F-032 South half	15-Dec-98	EMT	15-Dec-98	Confirmation Pb & Be	24 hr	16-Dec-98	16-Dec-98	0	21-Dec-98	Total Pb & Be	Pb 404 Be 0.56		mg/kg	
VLSC-Comp-101	16-Dec-98	300 cuyd	16-Dec-98	EMT	16-Dec-98	TCLP Confirmation Pb	2 Day	18-Dec-98	18-Dec-98	0	23-Dec-98	TCLP Lead	1.15		mg/L	
VLSC-Comp-102	16-Dec-98	300 cuyd	16-Dec-98	EMT	16-Dec-98	TCLP Confirmation Pb	2 Day	18-Dec-98	18-Dec-98	0	23-Dec-98	TCLP Lead	4.92		mg/L	
VLSC-F-033	16-Dec-98	Grid F-033	16-Dec-98	EMT	16-Dec-98	Confirmation Pb & Be	24 hr	17-Dec-98	17-Dec-98	0	22-Dec-98	Total Pb & Be	Pb 323 Be 0.6		mg/kg	
VLSC-Comp-103	17-Dec-98	300 cuyd	17-Dec-98	EMT	17-Dec-98	TCLP Confirmation Pb	2 Day	19-Dec-98	19-Dec-98	0	24-Dec-98	TCLP Lead	3.91		mg/L	
VLSC-F-031A	15-Dec-98	Grid F-031, subgrid A	15-Dec-98	EMT	15-Dec-98	Confirmation Pb	24 hr	18-Dec-98	17-Dec-98	0	23-Dec-98	Total Pb	5990		mg/kg	Ordered 12/17
VLSC-F-031B	15-Dec-98	Grid F-031, subgrid B	15-Dec-98	EMT	15-Dec-98	Confirmation Pb	24 hr	18-Dec-98	17-Dec-98	0	23-Dec-98	Total Pb	74.7		mg/kg	Ordered 12/17
VLSC-F-031C	15-Dec-98	Grid F-031, subgrid C	15-Dec-98	EMT	15-Dec-98	Confirmation Pb	24 hr	18-Dec-98	17-Dec-98	0	23-Dec-98	Total Pb	5240		mg/kg	Ordered 12/17
VLSC-F-031D	15-Dec-98	Grid F-031, subgrid D	15-Dec-98	EMT	15-Dec-98	Confirmation Pb	24 hr	18-Dec-98	17-Dec-98	0	23-Dec-98	Total Pb	372		mg/kg	Ordered 12/17
VLSC-F-028B	10-Dec-98	Grid F-028, subgrid B	10-Dec-98	EMT	10-Dec-98	Confirmation Pb	24 hr	18-Dec-98	17-Dec-98	0	23-Dec-98	Total Pb	2330		mg/kg	Ordered 12/17
VLSC-F-043	19-Dec-98	Grid F-043	19-Dec-98	EMT	19-Dec-98	Confirmation Pb & Be	24 hr	21-Dec-98	21-Dec-98	0	28-Dec-98	Total Pb & Be	Pb 78.3 Be 0.8		mg/kg	
VLSC-Comp-105	19-Dec-98	300 cuyd	19-Dec-98	EMT	19-Dec-98	TCLP Confirmation Pb	2 Day	22-Dec-98	22-Dec-98	0	27-Dec-98	TCLP Lead	1.22		mg/L	
VLSC-Comp-106	19-Dec-98	300 cuyd	19-Dec-98	EMT	19-Dec-98	TCLP Confirmation Pb	2 Day	22-Dec-98	22-Dec-98	0	27-Dec-98	TCLP Lead	0.54		mg/L	

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VLSC-F-040	20-Dec-98	Grid F-040	20-Dec-98	EMT	20-Dec-98	Confirmation Pb & Be	24 hr	22-Dec-98	22-Dec-98	0	27-Dec-98	Total Pb & Be	Pb 520 Be 0.6		mg/kg	
VLSC-F-042	20-Dec-98	Grid F-042	20-Dec-98	EMT	20-Dec-98	Confirmation Pb & Be	24 hr	22-Dec-98	22-Dec-98	0	27-Dec-98	Total Pb & Be	Pb 46.2 Be 0.50	U	mg/kg	
VLSC-Comp-107	21-Dec-98	300 cuyd	22-Dec-98	EMT	22-Dec-98	TCLP Confirmation Pb	2 Day	28-Dec-98	28-Dec-98	0	02-Jan-99	TCLP Lead	0.61		mg/L	
VLSC-F-028E	21-Dec-98	Grid F-028, subgrid B	22-Dec-98	EMT	22-Dec-98	Confirmation Pb	24 hr	28-Dec-98	28-Dec-98	0	02-Jan-99	Total Pb	6.7		mg/kg	
VLSC-F-031E	21-Dec-98	Grid F-031, subgrid A	22-Dec-98	EMT	22-Dec-98	Confirmation Pb	24 hr	28-Dec-98	28-Dec-98	0	02-Jan-99	Total Pb	18.3		mg/kg	
VLSC-F-031F	21-Dec-98	Grid F-031, subgrid C	22-Dec-98	EMT	22-Dec-98	Confirmation Pb	24 hr	28-Dec-98	28-Dec-98	0	02-Jan-99	Total Pb	9.33		mg/kg	
VLSC-Comp-108	21-Dec-98	300 cuyd	22-Dec-98	EMT	22-Dec-98	TCLP Confirmation Pb	2 Day	28-Dec-98	28-Dec-98	0	02-Jan-99	TCLP Lead	0.26		mg/L	
VLSC-F-034	22-Dec-98	Grid F-034	22-Dec-98	EMT	22-Dec-98	Confirmation Pb & Be	24 hr	23-Dec-98	23-Dec-98	0	28-Dec-98	Total Pb & Be	Pb 312 Be 0.50		mg/kg	
VLSC-F-036	22-Dec-98	Grid F-036	23-Dec-98	EMT	23-Dec-98	Confirmation Pb & Be	24 hr	26-Dec-98	26-Dec-98	0	31-Dec-98	Total Pb & Be	Pb 473 Be 0.57		mg/kg	
VLSC-F-038	23-Dec-98	Grid F-038	23-Dec-98	EMT	23-Dec-98	Confirmation Pb & Be	24 hr	26-Dec-98	26-Dec-98	0	31-Dec-98	Total Pb & Be	Pb 61.8 Be 0.5	U	mg/kg	
VLSC-F-037	23-Dec-98	Grid F-037	23-Dec-98	EMT	23-Dec-98	Confirmation Pb & Be	24 hr	26-Dec-98	26-Dec-98	0	31-Dec-98	Total Pb & Be	Pb 42.7 Be 0.5	U	mg/kg	
VLSC-Comp-109	23-Dec-98	300 cuyd	23-Dec-98	EMT	23-Dec-98	TCLP Confirmation Pb	2 Day	31-Dec-98	31-Dec-98	0	05-Jan-99	TCLP Lead	0.21		mg/L	
VLSC-Comp-110	23-Dec-98	300 cuyd	23-Dec-98	EMT	23-Dec-98	TCLP Confirmation Pb	2 Day	31-Dec-98	31-Dec-98	0	05-Jan-99	TCLP Lead	1.88		mg/L	
VLSC-Comp-111	23-Dec-98	300 cuyd	23-Dec-98	EMT	23-Dec-98	TCLP Confirmation Pb	2 Day	31-Dec-98	31-Dec-98	0	05-Jan-99	TCLP Lead	2.32		mg/L	
VLSC-F-036R	30-Dec-98	Grid F-036, underlying haul road	30-Dec-98	EMT	30-Dec-98	Confirmation Pb & Be	24 hr	04-Jan-99	04-Jan-99	0	09-Jan-99	Total Pb & Be	Pb 252 Be 0.60		mg/kg	
VLSC-F-043R	30-Dec-98	Grid F-043, underlying haul road	30-Dec-98	EMT	30-Dec-98	Confirmation Pb & Be	24 hr	04-Jan-99	04-Jan-99	0	09-Jan-99	Total Pb & Be	Pb 27.8 Be 0.5		mg/kg	
VLSC-F-037R	30-Dec-98	Grid F-037, underlying haul road	30-Dec-98	EMT	30-Dec-98	Confirmation Pb & Be	24 hr	04-Jan-99	04-Jan-99	0	09-Jan-99	Total Pb & Be	Pb 20.8 Be 0.62		mg/kg	
VLSC-F-042R	31-Dec-98	Grid F-042, underlying haul road	31-Dec-98	EMT	31-Dec-98	Confirmation Pb & Be	24 hr	04-Jan-99	04-Jan-99	0	09-Jan-99	Total Pb & Be	Pb 12.5 Be 0.77		mg/kg	
VLSC-Comp-112	31-Dec-98	300 cuyd	31-Dec-98	EMT	31-Dec-98	TCLP Confirmation Pb	2 Day	04-Jan-99	04-Jan-99	0	09-Jan-99	TCLP Lead	0.93		mg/L	
VLSC-Comp-113	31-Dec-98	300 cuyd	31-Dec-98	EMT	31-Dec-98	TCLP Confirmation Pb	2 Day	04-Jan-99	04-Jan-99	0	09-Jan-99	TCLP Lead	0.2	U	mg/L	
VLSC-Comp-114	05-Jan-99	300 cuyd	06-Jan-99	EMT	06-Jan-99	TCLP Confirmation Pb	2 Day	08-Jan-99	08-Jan-99	0	13-Jan-99	TCLP Lead			mg/L	
VLSC-Comp-115	06-Jan-99	300 cuyd	06-Jan-99	EMT	06-Jan-99	TCLP Confirmation Pb	2 Day	08-Jan-99	08-Jan-99	0	13-Jan-99	TCLP Lead			mg/L	
VLSC-F-039R	06-Jan-99	Grid F-039, underlying haul road	06-Jan-99	EMT	06-Jan-99	Confirmation Pb & Be	24 hr	07-Jan-99	07-Jan-99	0	12-Jan-99	Total Pb & Be	Pb 116 Be 0.5	U	mg/kg	
VLSC-CP-001	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	2120		mg/kg	
VLSC-CP-002	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	11300		mg/kg	
VLSC-CP-003	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	3070		mg/kg	
VLSC-CP-004	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	3220		mg/kg	
VLSC-CP-005	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	5820		mg/kg	
VLSC-CP-006	14-Jan-99	Confirm areas used for stockpiling	14-Jan-99	EMT	14-Jan-99	Confirmation Pb	24 hr	15-Jan-99	15-Jan-99	0	20-Jan-99	Total Pb	5000		mg/kg	
VLSC-Comp99-1	18-May-99	600 cuyd	18-May-99	EMT	18-May-99	TCLP Confirmation Pb	3 Day	21-May-99	22-May-99	1	28-May-99	TCLP Lead	0.2	U	mg/L	
VLSC-FC-007	18-May-99	Confirm areas used for stockpiling	18-May-99	EMT	18-May-99	Confirmation Pb	24 hr	19-May-99	19-May-99	0	26-May-99	Total Pb	15.2		mg/kg	
VLSC-FC-008	18-May-99	Confirm areas used for stockpiling	18-May-99	EMT	18-May-99	Confirmation Pb	24 hr	19-May-99	19-May-99	0	26-May-99	Total Pb	21.4		mg/kg	
VLSC-FC-009	18-May-99	Confirm areas used for stockpiling	18-May-99	EMT	18-May-99	Confirmation Pb	24 hr	19-May-99	19-May-99	0	26-May-99	Total Pb	87.2		mg/kg	
VLSC-FC-010	18-May-99	Confirm areas used for stockpiling	18-May-99	EMT	18-May-99	Confirmation Pb	24 hr	19-May-99	19-May-99	0	26-May-99	Total Pb	4.85		mg/kg	
VLSC-FC-011	18-May-99	Confirm areas used for stockpiling	18-May-99	EMT	18-May-99	Confirmation Pb	24 hr	19-May-99	19-May-99	0	26-May-99	Total Pb	27.9		mg/kg	

## SAMPLE ID INFORMATION

VLSC - Vulcan Louisville Smelter Co  
PC - Pre-characterization for TCLP Lead  
PE - Pre-excavation for PCB total  
PS - Pre-characterization of Creek Slopes  
FL - Outside Fence Line  
F - Floor of excavation, Lead only  
SW - Sidewall of excavation

## LABORATORY FLAG INFORMATION

U - below method detection limit  
A - characteristic of laboratory contamination  
ND - non detect

## ELEMENT OR COMPOUND NAME

Pb - Lead  
Be - Beryllium  
EOK - Extractable Organic Halides  
PAH - Polynuclear Aromatic Hydrocarbons  
PCB - Polychlorinated biphenyls

**APPENDIX H**  
**ACCIDENT REPORT**

19 PAGES REMOVED  
NON-RESPONSIVE

**APPENDIX I**  
**AIR MONITORING ANALYSIS**



## NOTES ON APPENDIX A:

The following results are broken down into Respirable Dust (RD) and Perimeter Lead/Beryllium (PL) to make analyzing data easier. Each sampling event during worker exposure periods included personal samples for the most at-risk operator/technician. "Gaps" in Respirable Dust samples represent periods during which pre-weighed/pre-numbered samples were used; when samples were used for personal monitoring the sequential number order suffered a break.

Lead and Beryllium were run on the same sample (per UEC's acknowledgement of use) to decrease cost and increase value.

Samples #41-44 were run as blind blanks to check lab efficiency; they passed.

A copy of these results was posted in the break area, as they became available, for employees to view at their convenience. Results were also discussed during safety meetings.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 26, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 08/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC.LOT SITE-VULCAN LOUISVILLE SMELTIN

TRACKING NUMBER: 83470 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
26684	RD-01	DUST, RESPIRABLE-AIR	08/23/98	482	1.7005	819.641	08/28/98		0.02	0.02	0.01	mg	mg/m3	g	mg	mg/m3
26685	RD-02	DUST, RESPIRABLE-AIR	08/23/98	482	1.7065	822.533	08/28/98		<0.01	<0.01	0.01					
26686	RD-03	DUST, RESPIRABLE-AIR	08/23/98	482	1.706	822.292	08/28/98		0.06	0.07	0.01					
26687	RD-04 BLK-BLANK	DUST, RESPIRABLE-AIR	08/23/98	N/A	N/A	N/A	08/28/98		<0.01	N/A	0.01					

ANALYST : Mark R. BanisterDate: 8-28-98APPROVED: Mark R. BanisterDate: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

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Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 25, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 08/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone NO. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC. LOT SITE-VULCAN LOUISVILLE SMELTI

TRACKING NUMBER: 83471 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3	mg	mg/m3
26692	05RD	DUST, RESPIRABLE-AIR	08/24/98	310	1.728	535.68	08/28/98		0.04	0.07	0.01							
26693	06RD	DUST, RESPIRABLE-AIR	08/24/98	300	1.741	522.3	08/28/98		0.01	0.02	0.01							
26694	07RD	DUST, RESPIRABLE-AIR	08/24/98	297	1.716	509.652	08/28/98		<0.01	<0.02	0.01							
26695	08RD BLK-BLANK	DUST, RESPIRABLE-AIR	08/24/98	N/A	N/A	N/A	08/28/98		<0.01	N/A	0.01							

ANALYST: Mark R. Banister

Date: 8-28-98

APPROVED: Mark R. Banister

Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 27, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 08/31/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 56819DP SITE LOCATION : VAC. LOT SITE/VULCAN LOUISVILLE SMELTI

TRACKING NUMBER: 83482 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
26809	RD-09	DUST, RESPIRABLE-AIR	08/25/98	485	1.696	822.56	08/31/98		0.02	0.02	0.01	mg	mg/m3	%	mg	mg/m3
26810	RD-10	DUST, RESPIRABLE-AIR	08/25/98	500	1.717	858.5	08/31/98		0.02	0.02	0.01					
26811	RD-11	DUST, RESPIRABLE-AIR	08/25/98	500	1.763	881.5	08/31/98		0.09	0.10	0.01					
26812	RD-12 BLK-BLANK	DUST, RESPIRABLE-AIR	08/25/98	N/A	N/A	N/A	08/31/98		<0.01	N/A	0.01					

COMMENTS: DUST WEIGHTS ARE BLANK CORRECTED.

ANALYST : Mark R. Banister

Date: 8-31-98

APPROVED: Mark R. Banister

Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR

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E - LIQUIDS OR SOLIDS J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

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412 825 2400  
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IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 27, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures



# USX Engineers & Consultants Inc.

Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 08/31/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 56819DP SITE LOCATION : VAC. LOTE SITE-VULCAN LOUISVILLE SMELT

TRACKING NUMBER: 83481 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
26800	RD-14	DUST, RESPIRABLE-AIR	08/26/98	510	1.71	872.1	08/28/98		<0.01	<0.01	0.01	mg	mg/m3	%	mg	mg/m3
26801	RD-15	DUST, RESPIRABLE-AIR	08/26/98	475	1.721	817.475	08/28/98		<0.01	<0.01	0.01					
26802	RD-16	DUST, RESPIRABLE-AIR	08/26/98	485	1.7	824.5	08/28/98		<0.01	<0.01	0.01					
26803	SPR-01	DUST, RESPIRABLE-AIR	08/26/98	500	1.733	866.5	08/28/98		<0.01	<0.01	0.01					
26804	RD-17 BLK-BLANK	DUST, RESPIRABLE-AIR	08/26/98	N/A	N/A	N/A	08/28/98		<0.01	N/A	0.01					

ANALYST : Mark R. Banister

Date: 8-31-98

APPROVED: Mark R. Banister

Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B = TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A = FILTER OR SINGLE STAGE MONITOR C = TUBE OR 2 STAGE MONITOR E = LIQUIDS OR SOLIDS J = FILTER + TUBE

D = BULK MATERIALS OR WIPES I = FILTER + TUBE

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Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 31, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/01/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83523 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ				
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3
27043	RD-18	DUST, RESPIRABLE-AIR	08/27/98	475	1.715	814.625	09/01/98		0.06	0.06	0.01					
27044	RD-19	DUST, RESPIRABLE-AIR	08/27/98	475	1.738	825.55	09/01/98		0.05	0.06	0.01					
27045	RD-20	DUST, RESPIRABLE-AIR	08/27/98	480	1.721	826.08	09/01/98		0.06	0.07	0.01					
27046	SPR-02	DUST, RESPIRABLE-AIR	08/27/98	495	1.722	852.39	09/01/98		0.07	0.08	0.01					
27047	RD-21 BLK-BLANK	DUST, RESPIRABLE-AIR	08/27/98	N/A	N/A	N/A	09/01/98		<0.01	N/A	0.01					

COMMENTS: Dusts are blank corrected.

ANALYST: Mark R. Banister

Date: 9-1-98

APPROVED: Mark R. Banister

Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

Industrial & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 1, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/02/1998

PAGE - 1

Customer:	CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064		Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83534 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3	mg	mg/m3
27167	RD-23	DUST, RESPIRABLE-AIR	08/29/98	470	1.701	799.47	09/02/98		0.51	0.64	0.01							
27168	RD-24	DUST, RESPIRABLE-AIR	08/29/98	500	1.663	831.5	09/02/98		0.03	0.04	0.01							
27169	RD-25	DUST, RESPIRABLE-AIR	08/29/98	500	1.691	845.5	09/02/98		0.02	0.02	0.01							
27170	SPR-03	DUST, RESPIRABLE-AIR	08/29/98	475	1.703	808.925	09/02/98		0.04	0.05	0.01							
27171	RD-26 BLK-BLANK	DUST, RESPIRABLE-AIR	08/29/98	N/A	N/A	N/A	09/02/98		<0.01	N/A	0.01							

COMMENTS: DUSTS ARE BLANK CORRECTED.

ANALYST: Mark R. Banister  
APPROVED: Mark R. BanisterDate: 9-2-98  
Date: 9/10/98NOTES: \* = Information not supplied by client. < = less than.  
# = Information not requested by client. N/A = Not Applicable.A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 10, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 2, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/03/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83557-A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE QUARTZ				
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3
27322	RD-28	DUST, RESPIRABLE-AIR	08/31/98	470	1.711	804.17	09/03/98		0.04	0.05	0.01					
27323	RD-29	DUST, RESPIRABLE-AIR	08/31/98	482	1.682	810.724	09/03/98		<0.01	<0.01	0.01					
27324	RD-30	DUST, RESPIRABLE-AIR	08/31/98	479	1.709	818.611	09/03/98		0.01	0.01	0.01					
27325	RD-32 BLK-BLANK	DUST, RESPIRABLE-AIR	08/31/98	N/A	N/A	N/A	09/03/98		<0.01	N/A	0.01					
27326	SPR-04	DUST, RESPIRABLE-AIR	08/31/98	476	1.733	824.908	09/03/98		0.03	0.04	0.01					

COMMENTS: Dusts are blank corrected.

ANALYST: Mark R. Banister  
 APPROVED: Mark R. Banister

Date: 9-3-98  
 Date: 9/14/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B = TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 10, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 3, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures



**USX Eng. ers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/10/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83591 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3	mg	mg/m3
27547	RD-33	DUST, RESPIRABLE-AIR	09/01/98	450	1.701	765.45	09/09/98		0.03	0.04	0.01							
27548	RD-34	DUST, RESPIRABLE-AIR	09/01/98	475	1.682	798.95	09/09/98		0.05	0.06	0.01							
27549	RD-35	DUST, RESPIRABLE-AIR	09/01/98	470	1.71	803.7	09/09/98		0.11	0.14	0.01							
27550	RD-36-BLANK	DUST, RESPIRABLE-AIR	09/01/98	N/A	N/A	N/A	09/09/98		< 0.01	NA	0.01							
27551	SPR-05	DUST, RESPIRABLE-AIR	09/01/98	482	1.715	826.63	09/09/98		0.02	0.02	0.01							

COMMENTS: Dust wt. is blank corrected.

ANALYST :

James J. Miller

Date:

9-10-98

APPROVED:

Mark R. Banister

Date:

9/14/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 15, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 4, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/10/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83613 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE				
								TYPE	mg	mg/m3	LOD	QUARTZ	mg	mg/m3	†	CRISTOBALITE
27695	RD-38	DUST, RESPIRABLE-AIR	09/02/98	489	1.734	847.926	09/09/98		0.02	0.02	0.01					
27696	RD-39	DUST, RESPIRABLE-AIR	09/02/98	483	1.709	825.447	09/09/98		0.04	0.05	0.01					
27697	RD-40	DUST, RESPIRABLE-AIR	09/02/98	485	1.706	827.41	09/09/98		0.04	0.05	0.01					
27698	RD-41-BLANK	DUST, RESPIRABLE-AIR	09/02/98	N/A	N/A	N/A	09/09/98		< 0.01	NA	0.01					
27699	SPR-06	DUST, RESPIRABLE-AIR	09/02/98	480	1.712	821.76	09/09/98		0.06	0.07	0.01					
27705	RD-43	DUST, RESPIRABLE-AIR	09/03/98	300	1.721	516.3	09/09/98		0.01	0.02	0.01					
27706	RD-44	DUST, RESPIRABLE-AIR	09/03/98	298	1.739	518.222	09/09/98		0.01	0.02	0.01					
27707	RD-45	DUST, RESPIRABLE-AIR	09/03/98	300	1.731	519.3	09/09/98		0.01	0.02	0.01					
27708	SPR-07	DUST, RESPIRABLE-AIR	09/03/98	305	1.722	525.21	09/09/98		0.01	0.02	0.01					
27709	RD-47-BLANK	DUST, RESPIRABLE-AIR	09/03/98	N/A	N/A	N/A	09/09/98		< 0.01	NA	0.01					

COMMENTS: Dust wt. is blank corrected.

 ANALYST: James J. Miller

 Date: 9-10-98

 APPROVED: Mark R. Banister

 Date: 9/15/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 16, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 14, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engi. rs & Consultants Inc.

IH & Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/15/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83709 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3		
28423	RD-48	DUST, RESPIRABLE-AIR	09/09/98	482	1.705	821.81	09/15/98		<0.01	<0.01	0.01							
28424	RD-49	DUST, RESPIRABLE AIR	09/09/98	475	1.681	798.475	09/15/98		<0.01	<0.01	0.01							
28425	RD-50	DUST, RESPIRABLE-AIR	09/09/98	478	1.721	822.638	09/15/98		<0.01	<0.01	0.01							
28426	SPR-08	DUST, RESPIRABLE-AIR	09/09/98	480	1.705	818.4	09/15/98		0.02	0.02	0.01							
28427	RD-52-BLANK	DUST, RESPIRABLE-AIR	09/09/98	N/A	N/A	N/A	09/15/98		<0.01	N/A	0.01							

COMMENTS: DUST WEIGHTS ARE BLANK CORRECTED.

ANALYST : [Signature]

Date: 9-15-98

APPROVED: Mark R. Banister

Date: 9/16/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2401  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 16, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 11, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/15/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83705 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
28392	RD-53	DUST, RESPIRABLE-AIR	09/10/98	490	1.711	838.39	09/15/98		0.02	0.02	0.01					
28393	RD-54	DUST, RESPIRABLE-AIR	09/10/98	479	1.707	817.653	09/15/98		<0.01	<0.01	0.01					
28394	RD-55	DUST, RESPIRABLE-AIR	09/10/98	482	1.73	833.86	09/15/98		0.01	0.01	0.01					
28395	RD-56-BLANK	DUST, RESPIRABLE-AIR	09/10/98	N/A	N/A	N/A	09/15/98		<0.01	N/A	0.01					
28396	SPR-57 (SPR-09)	DUST, RESPIRABLE-AIR	09/10/98	480	1.7265	828.72	09/15/98		0.02	0.02	0.01					

COMMENTS: DUST WEIGHTS ARE BLANK CORRECTED.

ANALYST: [Signature]

Date: 9-15-98

APPROVED: Mark R. Banister

Date: 9/16/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BUILD MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 17, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures



**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/21/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83763 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ	mg	mg/m3	%	CRISTOBALITE
28853	RD-58	DUST, RESPIRABLE-AIR	09/16/98	475	1.696	805.6	09/18/98		0.03	0.04	0.01					
28854	RD-59	DUST, RESPIRABLE-AIR	09/16/98	480	1.715	823.2	09/18/98		0.05	0.06	0.01					
28855	RD-60	DUST, RESPIRABLE-AIR	09/16/98	478	1.713	818.814	09/18/98		0.04	0.05	0.01					
28856	RD-61-BLANK	DUST, RESPIRABLE-AIR	09/16/98	N/A	N/A	N/A	09/18/98		<0.01	N/A	0.01					
28857	SPR-10	DUST, RESPIRABLE-AIR	09/16/98	483	1.713	827.379	09/18/98		0.01	0.01	0.01					

COMMENTS: Dust wt. is blank corrected.

ANALYST: James G. Miller Date: 9-21-98  
APPROVED: Mark R. Banister Date: 9/25/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83808 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
29090	RD-63	DUST, RESPIRABLE-AIR	09/17/98	560	1.727	967.12	09/22/98		0.01	0.04	0.01	mg	mg/m3	%	mg	mg/m3
29091	RD-64	DUST, RESPIRABLE-AIR	09/17/98	557	1.706	950.242	09/22/98		0.01	0.01	0.01					
29092	RD-65	DUST, RESPIRABLE-AIR	09/17/98	558	1.742	972.036	09/22/98		0.02	0.02	0.01					
29093	RD-66-BLANK	DUST, RESPIRABLE-AIR	09/17/98	N/A	N/A	N/A	09/22/98		<0.01	N/A	0.01					
29094	SPR-11	DUST, RESPIRABLE-AIR	09/17/98	525	1.723	904.575	09/22/98		0.04	0.04	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : Mark R. BanisterDate: 9-22-98APPROVED: Mark R. BanisterDate: 9/25/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83806 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		%	CRISTOBALITE	
29077	RD-68	DUST, RESPIRABLE-AIR	09/18/98	420	1.724	724.08	09/22/98		0.03	0.04	0.01	mg	mg/m3		mg	mg/m3
29078	RD-69	DUST, RESPIRABLE-AIR	09/18/98	435	1.709	743.415	09/22/98		0.02	0.03	0.01					
29079	RD-70	DUST, RESPIRABLE-AIR	09/18/98	425	1.698	721.65	09/22/98		0.02	0.03	0.01					
29080	RD-71-BLANK	DUST, RESPIRABLE-AIR	09/18/98	N/A	N/A	N/A	09/22/98		<0.01	N/A	0.01					
29081	SPR-12	DUST, RESPIRABLE-AIR	09/18/98	425	1.707	725.475	09/22/98		0.04	0.06	0.01				-	

COMMENTS: Dust wts. are blank corrected.

ANALYST : Mark R. BanisterDate: 9-22-98APPROVED: Mark R. BanisterDate: 9/25/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 29, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 22, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412) 825-2400 FAX: (412) 825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/23/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83832 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALLINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		%	CRISTOBALITE	
29247	RD-73	DUST, RESPIRABLE-AIR	09/21/98	461	1.737	800.757	09/23/98		<0.01	<0.01	0.01					
29248	RD-74	DUST, RESPIRABLE-AIR	09/21/98	466	1.781	829.946	09/23/98		0.01	0.01	0.01					
29249	RD-75	DUST, RESPIRABLE-AIR	09/21/98	446	1.766	787.636	09/23/98		0.02	0.03	0.01					
29250	RD-76-BLANK	DUST, RESPIRABLE-AIR	09/21/98	N/A	N/A	N/A	09/23/98		<0.01	N/A	0.01					
29251	SPR-13	DUST, RESPIRABLE-AIR	09/21/98	450	1.738	782.1	09/23/98		0.04	0.05	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : James J. MillerDate: 9-23-98APPROVED: Mark R. BanisterDate: 9/29/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 29, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures



# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/24/1998

PAGE - 1

Customer:	CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL	

TRACKING NUMBER: 83852 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
29360	RD-77	DUST, RESPIRABLE-AIR	09/22/98	435	1.723	749.505	09/24/98		<0.01	<0.01	0.01	mg	mg/m3	%	mg	mg/m3
29361	RD-78	DUST, RESPIRABLE-AIR	09/22/98	438	1.708	748.104	09/24/98		<0.01	<0.01	0.01					
29362	RD-79	DUST, RESPIRABLE-AIR	09/22/98	430	1.715	737.45	09/24/98		<0.01	<0.01	0.01					
29363	RD-80-BLANK	DUST, RESPIRABLE-AIR	09/22/98	N/A	N/A	N/A	09/24/98		<0.01	N/A	0.01					
29364	SPR-14	DUST, RESPIRABLE-AIR	09/22/98	420	1.709	717.78	09/24/98		<0.01	N/A	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST: James J. Miller

Date: 9-24-98

APPROVED: Mark R. Banister

Date: 9/29/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
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412 825 2400  
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IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

October 2, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 28, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/29/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83939 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
											mg	mg/m3	%	mg	mg/m3	
29740	RD-82	DUST, RESPIRABLE-AIR	09/25/98	470	1.705	801.35	09/29/98		0.02	0.03	0.01					
29741	RD-83	DUST, RESPIRABLE-AIR	09/25/98	470	1.695	796.65	09/29/98		0.03	0.04	0.01					
29742	RD-84	DUST, RESPIRABLE-AIR	09/25/98	470	1.663	781.61	09/29/98		0.03	0.04	0.01					
29743	RD-85-BLANK	DUST, RESPIRABLE-AIR	09/25/98	N/A	N/A	N/A	09/29/98		<0.01	N/A	0.01					
29744	SPR-15	DUST, RESPIRABLE-AIR	09/25/98	475	1.684	799.9	09/29/98		0.05	0.06	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : James G. MillerDate: 9-29-98APPROVED: Mark R. BanisterDate: 10/5/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

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I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

October 20, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 14, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/15/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84149 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3	mg	mg/m3
31280	RD-87	DUST, RESPIRABLE-AIR	10/13/98	455	1.73	787.15	10/15/98		0.20	0.25	0.01							
31281	RD-88	DUST, RESPIRABLE-AIR	10/13/98	456	1.705	777.48	10/15/98		0.19	0.24	0.01							
31282	RD-89	DUST, RESPIRABLE-AIR	10/13/98	456	1.709	779.304	10/15/98		0.04	0.05	0.01							
31283	RD-90-BLANK	DUST, RESPIRABLE-AIR	10/13/98	N/A	N/A	N/A	10/15/98		<0.01	N/A	0.01							
31284	SPR-16	DUST, RESPIRABLE-AIR	10/13/98	458	1.732	793.256	10/15/98		0.32	0.40	0.01							

COMMENTS: Dust wts. are blank corrected.

ANALYST: James J. MillerDate: 10-15-98APPROVED: Mark R. BanisterDate: 10/21/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

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D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 26, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 19, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE

TRACKING NUMBER: 84194 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3		
31690	RD-91	DUST, RESPIRABLE-AIR	10/15/98	483	1.709	825.447	10/20/98		0.02	0.02	0.01							
31691	RD-92	DUST, RESPIRABLE-AIR	10/15/98	480	1.765	847.2	10/20/98		0.10	0.12	0.01							
31692	RD-93	DUST, RESPIRABLE-AIR	10/15/98	488	1.725	841.8	10/20/98		0.01	0.01	0.01							
31693	RD-94-BLANK	DUST, RESPIRABLE-AIR	10/15/98	*	*	*	10/20/98		<0.01	N/A	0.01							
31694	SPR-17	DUST, RESPIRABLE-AIR	10/15/98	490	1.736	850.64	10/20/98		0.05	0.06	0.01							

COMMENTS: Dust wts. are blank corrected.

ANALYST : James J. Miller

Date: 10-22-98

APPROVED: Mark R. Banister

Date: 10/26/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 26, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 19, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures



# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE

TRACKING NUMBER: 84195 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE QUARTZ					CRISTOBALITE	
								TYPE	mg	mg/m3	LOD	mg	mg/m3	%	mg	mg/m3		
31700	RD-95	DUST, RESPIRABLE-AIR	10/16/98	490	1.682	824.18	10/20/98		0.15	0.18	0.01							
31701	RD-96	DUST, RESPIRABLE-AIR	10/16/98	486	1.682	817.452	10/20/98		0.09	0.11	0.01							
31702	RD-97	DUST, RESPIRABLE-AIR	10/16/98	483	1.693	817.719	10/20/98		0.04	0.05	0.01							
31703	RD-98-BLANK	DUST, RESPIRABLE-AIR	10/16/98	*	*	*	10/20/98		<0.01	N/A	0.01							
31704	SPR-18	DUST, RESPIRABLE-AIR	10/16/98	476	1.683	801.108	10/20/98		<0.01	<0.01	0.01							

ANALYST: James G. Miller

Date: 10-22-98

APPROVED: Mark R. Banister

Date: 10/22/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 27, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/22/1998

PAGE - 1

Customer:	CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064		Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84224 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ	mg/m3	%	CRISTOBALITE	mg/m3
31907	RD-99	DUST, RESPIRABLE-AIR	10/19/98	480	1.7	816.	10/22/98		<0.01	<0.01	0.01					
31908	RD-101	DUST, RESPIRABLE-AIR	10/19/98	478	2.2	1051.6	10/22/98		<0.01	<0.01	0.01					
31909	RD-102-BLANK	DUST, RESPIRABLE-AIR	10/19/98	N/A	N/A	N/A	10/22/98		<0.01	N/A	0.01					
31910	SPR-19	DUST, RESPIRABLE-AIR	10/19/98	475	2.1	997.5	10/22/98		<0.01	<0.01	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : James J. MillerDate: 10-22-98APPROVED: Mark R. BanisterDate: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

October 27, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84223 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				C R Y S T A L I N E				
								TYPE	mg	mg/m3	LOD	mg	Q U A R T Z mg/m3	%	CRISTOBALITE mg	mg/m3
31899	RD-103	DUST, RESPIRABLE-AIR	10/20/98	456	1.692	771.552	10/22/98		0.07	0.09	0.01					
31900	RD-104	DUST, RESPIRABLE-AIR	10/20/98	452	1.708	772.016	10/22/98		0.01	0.01	0.01					
31901	RD-105	DUST, RESPIRABLE-AIR	10/20/98	450	1.72	774.	10/22/98		<0.01	<0.01	0.01					
31902	RD-106-BLANK	DUST, RESPIRABLE-AIR	10/20/98	N/A	N/A	N/A	10/22/98		<0.01	N/A	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : James G. MillerDate: 10-22-98APPROVED: Mark R. BanisterDate: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84250 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				C R Y S T A L I N E				
								TYPE	mg	mg/m3	LOD	Q U A R T Z		C R I S T O B A L I T E		
32075	RD-107	DUST, RESPIRABLE-AIR	10/21/98	420	1.707	716.94	10/26/98		0.02	0.03	0.01	mg	mg/m3	%	mg	mg/m3
32076	RD-108	DUST, RESPIRABLE-AIR	10/21/98	419	1.693	709.367	10/26/98		<0.01	<0.02	0.01					
32077	RD-109	DUST, RESPIRABLE-AIR	10/21/98	420	1.695	711.9	10/26/98		<0.01	<0.02	0.01					
32078	RD-110-BLANK	DUST, RESPIRABLE-AIR	10/21/98	N/A	N/A	N/A	10/26/98		<0.01	N/A	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST James J. Miller  
APPROVED: Mark R. Banister

Date: 10-26-98  
Date: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

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Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

*Mark R. Banister*

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

A subsidiary of USX Corporation

**USX™**



# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84251 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				C R Y S T A L I N E				
								TYPE	mg	mg/m3	LOD	Q U A R T Z		C R I S T O B A L I T E		
32084	RD-111	DUST, RESPIRABLE-AIR	10/22/98	423	1.739	735.597	10/26/98		<0.01	<0.02	0.01	mg	mg/m3	%	mg	mg/m3
32085	RD-112	DUST, RESPIRABLE-AIR	10/22/98	429	1.756	753.324	10/26/98		0.02	0.03	0.01					
32086	RD-113	DUST, RESPIRABLE-AIR	10/22/98	442	1.73	764.66	10/26/98		0.02	0.03	0.01					
32087	RD-114-BLANK	DUST, RESPIRABLE-AIR	10/22/98	N/A	N/A	N/A	10/26/98		<0.01	N/A	0.01					
32088	SPR-20	DUST, RESPIRABLE-AIR	10/22/98	438	1.719	752.922	10/26/98		0.05	0.07	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST: James J. Miller  
APPROVED: Mark R. Banister

Date: 10-26-98  
Date: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

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C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 26, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
DUST, RESPIRABLE-AIR	NIOSH-0600	

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/27/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84273 A

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	RESPIRABLE OR NUISANCE DUST				CRYSTALINE				
								TYPE	mg	mg/m3	LOD	QUARTZ		CRISTOBALITE		
32185	RD-115	DUST, RESPIRABLE-AIR	10/23/98	420	1.689	709.38	10/27/98		<0.01	<0.02	0.01	mg	mg/m3	%	mg	mg/m3
32186	RD-116	DUST, RESPIRABLE-AIR	10/23/98	420	1.718	721.56	10/27/98		0.10	0.14	0.01					
32187	RD-117	DUST, RESPIRABLE-AIR	10/23/98	421	1.7	715.7	10/27/98		<0.01	<0.02	0.01					
32188	RD-118-BLANK	DUST, RESPIRABLE-AIR	10/23/98	N/A	N/A	N/A	10/27/98		<0.01	N/A	0.01					
32189	SPR-20	DUST, RESPIRABLE-AIR	10/23/98	423	1.713	724.599	10/27/98		0.01	0.02	0.01					

COMMENTS: Dust wts. are blank corrected.

ANALYST : James J. MillerDate: 10-27-98APPROVED: Mark R. BanisterDate: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
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4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 26, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 08/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone NO. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC LOT SITE-VULCAN LOUISVILLE SMELTIN

TRACKING NUMBER: 83470

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
26680	PL-01	LEAD-AIR	08/23/98	482	1.698	818.436	08/28/98				<1.0		<1.2		A
26681	PL-02	LEAD-AIR	08/23/98	482	1.743	840.126	08/28/98				<1.0		<1.2		A
26682	PL-03	LEAD-AIR	08/23/98	482	1.725	831.45	08/28/98				<1.0		<1.2		A
26683	PL-04 BLK-BLANK	LEAD-AIR	08/23/98	N/A	N/A	N/A	08/28/98				<1.0		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhantersbyDate: 08/28/98APPROVED: Mark R. BanisterDate: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No.		920892		ONM/IT CORP.		Sampler's Name		TODD D. TREES	
Project Name		VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE		Sample Type		MCE FILTER CASSETTES		Analysis Required	
Site Location		1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60664		Delivery Date		(847) 473-1694		0600(RD) + 7300(PL)	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol. Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
8/23/98	PL-01	1	10:06/18:08	482	1709/1687	1698	818	UW	
	PL-02	2	10:10/18:12	482	1746/1743	1744.5	840	DW-1	
	PL-03	3	10:12/18:14	482	1742/1708	1725	831	DW-2	
	PL-04								BLANK
	RD-01	4	10:06/18:08	482	1706/1695	1700.5	819	UW	
	RD-02	5	10:10/18:12	482	1722/1691	1706.5	822	DW-1	
	RD-03	6	10:12/18:14	482	1720/1692	1706	822	DW-2	
	RD-04								BLANK

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by TODD D. TREES, ONM/IT, 8/24/98,  
Received by John Strehler 8-25-98

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

2. Relinquished by John Strehler 8-25-98  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



**UEC**

USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 25, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

EH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 08/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC. LOT SITE-VULCAN LOUISVILLE SMELTI

TRACKING NUMBER: 83471

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
26688	PL-05	LEAD-AIR	08/24/98	310	1.735	537.85	08/28/98				<1.0		<1.9		A
26689	PL-06	LEAD-AIR	08/24/98	300	1.73	519.	08/28/98				<1.0		<1.9		A
26690	PL-07	LEAD-AIR	08/24/98	297	1.738	516.186	08/28/98				<1.0		<1.9		A
26691	PL-08 BLK-BLANK	LEAD-AIR	08/24/98	N/A	N/A	N/A	08/28/98				<1.0		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WintersbyDate: 08/28/98APPROVED: Mark R. BanisterDate: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u>						OHM/IT CORP.						Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCE FILTER CASSETTES</u>							
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60664</u>						Delivery Date <u>(847) 473-1694</u>						Analysis Required <u>0600 (RD) + 7300 (PL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish		Total Mins.	Flow Rate Start/Finish		Avg. Flow	Vol. Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/24/98	PL-05	#1	0840	1350	310	1719	1751	1735	538		UW	BACKGROUND	
8/24/98	PL-06	#2	0855	1355	300	1715	1744	1730	519		DW-1	BACKGROUND	
8/24/98	PL-07	#3	0900	1357	297	1724	1752	1738	516		DW-2	BACKGROUND	
8/24/98	PL-08											BLANK	
8/24/98	05 RD	#4	0840	1350	310	1719	1738	1728	536		UW	BACKGROUND	
8/24/98	06 RD	#5	0855	1355	300	1724	1758	1741	523		DW-1	BACKGROUND	
8/24/98	07 RD	#6	0900	1357	297	1710	1722	1716	509		DW-2	BACKGROUND	
8/24/98	08 RD											BLANK	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets OHM/IT 8/24/98 3. Relinquished by \_\_\_\_\_  
Received by Judy Stachler 8-25-98 Received by \_\_\_\_\_

2. Relinquished by Judy Stachler 8-25-98 4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_ Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 9, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 3, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/04/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC LOT SITE VULCAN LOUISVILLE

TRACKING NUMBER: 83585

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3
27460	PL-01	BERYLLIUM-AIR	08/23/98	482	1.698	818.436	09/04/98				<0.025		<0.031	A
27461	PL-02	BERYLLIUM-AIR	08/23/98	482	1.743	840.126	09/04/98				<0.025		<0.030	A
27462	PL-03	BERYLLIUM-AIR	08/23/98	482	1.725	831.45	09/04/98				<0.025		<0.030	A
27463	PL-04-BLANK	BERYLLIUM-AIR	08/23/98	N/A	N/A	N/A	09/04/98				<0.025		N/A	A
27464	PL-05	BERYLLIUM-AIR	08/24/98	310	1.735	537.85	09/04/98				<0.025		<0.046	A
27465	PL-06	BERYLLIUM-AIR	08/24/98	300	1.73	519.	09/04/98				<0.025		<0.048	A
27466	PL-07	BERYLLIUM-AIR	08/24/98	297	1.738	516.186	09/04/98				<0.025		<0.048	A
27467	PL-08-BLANK	BERYLLIUM-AIR	08/24/98	N/A	N/A	N/A	09/04/98				<0.025		N/A	A
27468	PL-13	BERYLLIUM-AIR	08/26/98	510	1.727	880.77	09/04/98				<0.025		<0.028	A
27469	PL-14	BERYLLIUM-AIR	08/26/98	475	1.722	817.95	09/04/98				<0.025		<0.031	A
27470	PL-15	BERYLLIUM-AIR	08/26/98	485	1.722	835.17	09/04/98				<0.025		<0.030	A
27471	SPL-01	BERYLLIUM-AIR	08/26/98	500	1.713	856.5	09/04/98				<0.025		<0.029	A
27472	PL-16-BLANK	BERYLLIUM-AIR	08/26/98	N/A	N/A	N/A	09/04/98				<0.025		N/A	A

COMMENTS: RESULTS ARE BLANK CORRECTED.

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/04/1998

PAGE - 2

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC LOT SITE VULCAN LOUISVILLE

TRACKING NUMBER: 83585

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27473	PL-09	BERYLLIUM-AIR	08/25/98	485	1.709	828.865	09/04/98				<0.025		<0.030		A
27474	PL-10	BERYLLIUM-AIR	08/25/98	500	1.734	867.	09/04/98				<0.025		<0.029		A
27475	PL-11	BERYLLIUM-AIR	08/25/98	500	1.734	867.	09/04/98				<0.025		<0.029		A
27476	PL-12-BLANK	BERYLLIUM-AIR	08/25/98	N/A	N/A	N/A	09/04/98				<0.025		N/A		A
27477	PL-17	BERYLLIUM-AIR	08/27/98	475	1.7	807.5	09/04/98				<0.025		<0.031		A
27478	PL-18	BERYLLIUM-AIR	08/27/98	475	1.726	819.85	09/04/98				<0.025		<0.031		A
27479	PL-19	BERYLLIUM-AIR	08/27/98	480	1.706	818.88	09/04/98				<0.025		<0.031		A
27480	SPL-02	BERYLLIUM-AIR	08/27/98	495	1.715	848.925	09/04/98				<0.025		<0.029		A
27481	PL-20-BLANK	BERYLLIUM-AIR	08/27/98	N/A	N/A	N/A	09/04/98				<0.025		N/A		A
27482	PL-21	BERYLLIUM-AIR	08/29/98	470	1.687	792.89	09/04/98				<0.025		<0.032		A
27483	PL-22	BERYLLIUM-AIR	08/29/98	500	1.72	860.	09/04/98				<0.025		<0.029		A
27484	PL-23	BERYLLIUM-AIR	08/29/98	500	1.72	860.	09/04/98				<0.025		<0.029		A
27485	SPL-03	BERYLLIUM-AIR	08/29/98	475	1.73	821.75	09/04/98				<0.025		<0.030		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
 Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

# USX Engineering & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/04/1998

PAGE - 3

Customer:	CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VAC LOT SITE VULCAN LOUISVILLE	

TRACKING NUMBER: 83585

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27486	PL-24-BLANK	BERYLLIUM-AIR	08/29/98	N/A	N/A	N/A	09/04/98				<0.025		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. Whartenby  
APPROVED: Mark R. Banister

Date: 09/04/98  
Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 27, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
LEAD-AIR	NIOSH-7300	1.0 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engr. & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 08/31/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 56819DP SITE LOCATION : VAC. LOT SITE/VULCAN LOUISVILLE SMELTI

TRACKING NUMBER: 83482

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
26805	PL-09	LEAD-AIR	08/25/98	485	1.709	828.865	08/31/98				<1.0		<1.2		A
26806	PL-10	LEAD-AIR	08/25/98	500	1.734	867.	08/31/98				<1.0		<1.2		A
26807	PL-11	LEAD-AIR	08/25/98	500	1.734	867.	08/31/98				<1.0		<1.2		A
26808	PL-12 BLK-BLANK	LEAD-AIR	08/25/98	N/A	N/A	N/A	08/31/98				<1.0		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhardenbyDate: 9-1-98APPROVED: Mark R. BanisterDate: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* - Information not supplied by client. &lt; - less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# - Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <b>92089Z OHA/IT (447) 473-1694</b>										Sampler's Name <b>TODD D. TERRELL</b>	
Project Name <b>VACANT LOT SITE - VULCAN LOUISIANA SMELTING SITE</b>										Sample Type <b>MRE FILTER CASSETTES</b>	
Site Location <b>1120 MLK-TR. DRIVE, NORTH CHARLOTTE, NC 28264</b>										Delivery Date <b>0600 (RD) + 7300 (PL)</b>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/25/98	PL-09	1	10:55 1900	445	1720 1697	1709	829		UW		
"	PL-10	2	11:00 1920	500	1733 1734	1734	866		DW-1		
"	PL-11	3	11:10 1930	500	1714 1753	1734	866		DW-2		
"	PL-12									BLANK	
"	RD-09	5	10:55 1900	445	1713 1734	1678	822		UW		
"	RD-10	6	11:00 1920	500	1715 1719	1717	858		DW-1		
"	RD-11	7	11:10 1930	500	1735 1790	1763	881		DW-2		
"	RD-12									BLANK	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by **TODD D. TERRELL, 15/ANM, 8/26/98**

Received by **Jerry Strehler 8-22-98**

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by **Jerry Strehler 8-22-98**

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 27, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

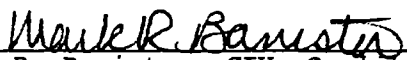
The results were derived with the following methods and limits of detection.

<u>ANALYTE</u>	<u>METHOD</u>	<u>LOD</u>
LEAD-AIR	NIOSH-7300	1.0 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engr. rs & Consultants Inc.

IH & Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 08/31/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 56819DP SITE LOCATION : VAC. LOTE SITE-VULCAN LOUISVILLE SMELT

TRACKING NUMBER: 83481

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
26795	PL-13	LEAD-AIR	08/26/98	510	1.727	880.77	08/31/98				<1.0		<1.1		A
26796	PL-14	LEAD-AIR	08/26/98	475	1.722	817.95	08/31/98				<1.0		<1.2		A
26797	PL-15	LEAD-AIR	08/26/98	485	1.722	835.17	08/31/98				<1.0		<1.2		A
26798	SPL-01	LEAD-AIR	08/26/98	500	1.713	856.5	08/31/98				<1.0		<1.2		A
26799	PL-16 BLK-BLANK	LEAD-AIR	08/26/98	N/A	N/A	N/A	08/31/98				<1.0		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. Whately

Date: 9-1-98

APPROVED: Mark R. Banister

Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

USX Engineers & Consultants, Inc.  
400 Ch Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 ONNY/IT Corp (847) 473-1694</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTER SITE</u>										Sample Type <u>MCE FILTER CASSETTES</u>	
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60644</u>					Delivery Date <u>6/26/95</u>					Analysis Required <u>0100 (RD+SPR) &amp; 7300 (PL+SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish		Total Mins.	Flow Rate Start/Finish		Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
<u>6/26/95</u>	<u>PL-13</u>	<u>1</u>	<u>930</u>	<u>1800</u>	<u>510</u>	<u>1724</u>	<u>1729</u>	<u>1727</u>	<u>881</u>	<u>UW</u>	
<u>"</u>	<u>PL-14</u>	<u>2</u>	<u>945</u>	<u>1810</u>	<u>475</u>	<u>1723</u>	<u>1720</u>	<u>1722</u>	<u>818</u>	<u>DW-1</u>	<u>CHIPPER OP.</u>
<u>"</u>	<u>PL-15</u>	<u>3</u>	<u>950</u>	<u>1815</u>	<u>485</u>	<u>1713</u>	<u>1730</u>	<u>1722</u>	<u>935</u>	<u>DW-2</u>	
<u>"</u>	<u>SPL-01</u>	<u>4</u>	<u>1005</u>	<u>1825</u>	<u>500</u>	<u>1717</u>	<u>1708</u>	<u>1723</u>	<u>856</u>	<u>X</u>	<u>DOE JACK - DUST CONTROL - EMPLOYEE # 957513</u>
<u>"</u>	<u>PL-16</u>										<u>BLANK</u>
<u>"</u>	<u>RD-14</u>	<u>5</u>	<u>930</u>	<u>1800</u>	<u>510</u>	<u>1717</u>	<u>1703</u>	<u>1710</u>	<u>872</u>	<u>UW</u>	
<u>"</u>	<u>RD-15</u>	<u>6</u>	<u>945</u>	<u>1810</u>	<u>475</u>	<u>1727</u>	<u>1714</u>	<u>1721</u>	<u>817</u>	<u>DW-1</u>	<u>CHIPPER OP.</u>
<u>"</u>	<u>RD-16</u>	<u>7</u>	<u>950</u>	<u>1815</u>	<u>485</u>	<u>1714</u>	<u>1686</u>	<u>1700</u>	<u>825</u>	<u>DW-2</u>	

## SIGNATURES: (Name, Company, Date and Time)

- Relinquished by Todd D. Teets, 15/AM, 8/26/95  
Received by John Stuhler 8-27-95
- Relinquished by John Stuhler 8-27-95  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: ABOVE ADDRESS

Invoice to: ABOVE ADDRESS

USX Engineers & Consultants, Inc.  
4000 Union Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>92D892 OHM/IT CORP (442) 473-1684</u>								Sampler's Name <u>TEOD D. TEETS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>MCK FILTER CASSETTES</u>			
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60664</u>						Delivery Date		Analysis Required <u>0600 (RD+SPR) + 1500 (PL+SP)</u>			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol. Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/26/96	SPR-01	4	1005 1825	500	1707 1759	1733	867	X	JOHANNY NESTER - EXCAVATOR - EMPLOYEE # 957830		
8/26/96	RD-17		:	:					BLANK		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by TEOD D. TEETS, OHM, 8/26/96

Received by Judy Strahlen 8-27-98

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by Judy Strahlen 8-27-98

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: ABOVE ADDRESS

Invoice to: ABOVE ADDRESS

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on August 31, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/02/1998

PAGE - 1

Customer:	CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.		Work Requested by : Todd Teets Phone No. : 847-473-1693
North Chicago, IL 60064		CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83523

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3
27038	PL-17	LEAD-AIR	08/27/98	475	1.7	807.5	09/01/98				<1.0		<1.2	A
27039	PL-18	LEAD-AIR	08/27/98	475	1.726	819.85	09/01/98				<1.0		<1.2	A
27040	PL-19	LEAD-AIR	08/27/98	480	1.706	818.88	09/01/98				<1.0		<1.2	A
27041	SPL-02	LEAD-AIR	08/27/98	495	1.715	848.925	09/01/98				<1.0		<1.2	A
27042	PL-20 BLK-BLANK	LEAD-AIR	08/27/98	N/A	N/A	N/A	09/01/98				<1.0		N/A	A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Richard A. Whantony  
 APPROVED: Mark R. Banister

Date: 09/02/98  
 Date: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
 Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Inc. & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/ONM CORP. (847) 473-1694										Sampler's Name TODD D. TEETS	
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE										Sample Type MCK FILTER CASSETTES	
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064										Analysis Required 0600 (RD+SPR) + 7300 (PL+ SPL)	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/27/98	PL-17	1	0950 1755	475	1712 1688	1700	808		UW		
"	PL-18	2	1015 1810	475	1723 1728	1726	820		DW-1		
"	PL-19	3	1020 1820	480	1701 1710	1706	819		DW-2		
"	SPL-DZ	4	1010 1825	495	1720 1710	1715	849	X		KATHY HARTUP - DUST CONTROL - EMPLOYEE # 958014	
"	PL-20									BLANK	
"	RD-18	5	0950 1755	475	1703 1726	1715	814		UW		
"	RD-19	6	1015 1810	475	1712 1764	1738	826		DW-1		
"	RD-20	7	1020 1820	490	1707 1734	1721	826		DW-2		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets 11/01/98 3/29/98  
Received by Julie Strahler 8-31-98

2. Relinquished by Julie Strahler 8-31-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Inc. & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/ONM CORP. (847) 473-1694								Sampler's Name TODD D. TEETS			
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE								Sample Type MCE FILTER CASSETTES			
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL, 60064								Delivery Date 0600 (RD & SPR) & 1730 (PL & SPL)			
Sampling Date	Sample Number	Pump Number	Time Start/Finish		Total Mins.	Flow Rate Start/Finish		Avg. Flow	Vol. Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
8/27/98	SPR-02	8	1010	1825	495	1714	1730	1728	852	X	GENE DUCKWORTH - DUMP TRUCK - EMPLOYEE # 957644
"	RD-21										BLANK

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets 8/27/98  
Received by Jack Strohler 8-31-98

2. Relinquished by Jack Strohler 8-31-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 8, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 1, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg

appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Eng. ers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/02/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83534

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27162	PL-21	LEAD-AIR	08/29/98	470	1.687	792.89	09/01/98				<1.0		<1.3		A
27163	PL-22	LEAD-AIR	08/29/98	500	1.72	860.	09/01/98				<1.0		<1.2		A
27164	PL-23	LEAD-AIR	08/29/98	500	1.72	860.	09/01/98				<1.0		<1.2		A
27165	SPL-03	LEAD-AIR	08/29/98	475	1.73	821.75	09/01/98				<1.0		<1.2		A
27166	PL-24 BLK-BLANK	LEAD-AIR	08/29/98	N/A	N/A	N/A	09/01/98				<1.0		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhartenbyDate: 09/02/98APPROVED: Mark R. BanisterDate: 9/10/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USY Engineers & Consultants, Inc.  
4006 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/DHM CORP. (412) 473-1694 1697 (FAX)</u>								Sampler's Name <u>TODD D. TEETS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>MCE FILTER CASSETTES</u>			
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60664</u>								Delivery Date <u>6/20/98</u>			
Analysis Required <u>0600 (RD+SPR) + 7300 (PL+SP)</u>											
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/29/98	PL-21		0910 1700	470	1716 1659	1.687			UW		
"	PL-22		0845 1705	500	1724 1716	1.72			DW-1		
"	PL-23		0850 1710	500	1714 1725	1.72			DW-2		
"	SPL-03		0900 1655	475	1729 1730	1.73		X		MIKE HAAKE - ROAD CONTROL - EMPLOYEE #	
"	PL-24									BLANK	
"	RD-23		0910 1700	470	1728 1673	1.701			KW		
"	RD-24		0845 1705	500	1706 1619	1.663			DW-1		
"	RD-25		0850 1710	500	1709 1673	1.691			DW-2		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets IT/DHM  
Received by Judy Stahler 9-1-98

2. Relinquished by Judy Stahler 9-1-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/OHM CORP. (847) 473-1694 1697 (FAX)								Sampler's Name TODD D. TEETS			
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE								Sample Type MCE FILTER CASSETTES			
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60644								Delivery Date 0600 (RD+SPR) + 7300 (PL+SPR)			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/29/94	(RD-27) SPR-03	8	0900 1655	475	1722 1655	1.703		X	JON CARP - MINI EXCAVATOR		
"	RD-26								BLANK		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets IT/OHM

Received by Andy Strehler 9-1-98

2. Relinquished by Andy Strehler 9-1-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

September 10, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 2, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineering & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/04/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83557

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27317	PL-25	LEAD-AIR	08/31/98	470	1.705	801.35	09/03/98				<1.0		<1.2		A
27317	PL-25	BERYLLIUM-AIR	08/31/98	470	1.705	801.35	09/03/98				<0.025		<0.031		A
27318	PL-26	LEAD-AIR	08/31/98	482	1.71	824.22	09/03/98				<1.0		<1.2		A
27318	PL-26	BERYLLIUM-AIR	08/31/98	482	1.71	824.22	09/03/98				<0.025		<0.030		A
27319	PL-27	LEAD-AIR	08/31/98	479	1.717	822.443	09/03/98				<1.0		<1.2		A
27319	PL-27	BERYLLIUM-AIR	08/31/98	479	1.717	822.443	09/03/98				<0.025		<0.030		A
27320	PL-28 BLK-BLANK	LEAD-AIR	08/31/98	N/A	N/A	N/A	09/03/98				<1.0		N/A		A
27320	PL-28 BLK-BLANK	BERYLLIUM-AIR	08/31/98	N/A	N/A	N/A	09/03/98				<0.025		N/A		A
27321	SPL-04	LEAD-AIR	08/31/98	476	1.729	823.004	09/03/98				<1.0		<1.2		A
27321	SPL-04	BERYLLIUM-AIR	08/31/98	476	1.729	823.004	09/03/98				<0.025		<0.030		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. Whartenby Date: 09/04/98  
 APPROVED: Mark R. Banister Date: 9/14/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
 Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <b>920892</b>		IT/OHM CORP.		(847) 473-1694		1697 (FAX)		Sampler's Name <b>TODD D. TEETS</b>	
Project Name <b>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</b>		Sample Type <b>MCE FILTER CASSETTES</b>		Analysis Required <b>0600 (RD+SPR) + 7300 (PL+SPL)</b>					
Site Location <b>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</b>		Delivery Date <b>60064</b>							
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
8/31/98	PL-25	1	0900 1650	470	1708 1701	1705	801		UW
"	PL-26	2	0910 1712	482	1729 1641	1710	824		DW-1
"	PL-27	3	0912 1711	479	1716 1718	1717	822		DW-2
"	PL-28								
"	SPL-04	4	0905 1701	476	1720 1738	1729	823	X	BLANK JEN. CARR - EXCAVATOR - EMP. # 957354
"	RD-28	5	0900 1650	470	1714 1703	1711	804		UW
"	RD-29	6	0910 1712	482	1721 1642	1682	810		DW-1
"	RD-30	7	0912 1711	479	1728 1689	1709	818		DW-2

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd Teets, Jr., 9/1/98

Received by John Strahlen 9-2-98

2. Relinquished by John Strahlen 9-2-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: SEE ABOVE

Invoice to: SEE ABOVE - ATTN: JOE GAIETTO

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/OAM CORP. (847) 473-1694 1697 (FAX)						Sampler's Name TODD D. TEETS					
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE						Sample Type MCE FILTER CASSETTES					
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60664						Delivery Date 0600 (RD & SPR) + 7300 (PL + SPL)					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
8/31/98	RD-32				1708 TOT				BLANK		
"	(31) SPR-04	8	0905 1701	476	1729 1737	1733	825		JOE JACEK - DUST CONTROL - EMP. # 957583		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, 11/9/98  
Received by Judy Strehler 9-2-98

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

2. Relinquished by Judy Strehler 9-2-98  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: SEE ABOVE

Invoice to: SEE ABOVE - ATTN: JOE GAIETTO



4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 10, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 3, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.000025 mg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

---

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/08/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83591

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27542	PL-29	LEAD-AIR	09/01/98	450	1.691	760.95	09/08/98				<1.0		<1.3		A
27542	PL-29	BERYLLIUM-AIR	09/01/98	450	1.691	760.95	09/08/98	<0.00002		<0.00003					A
27543	PL-30	LEAD-AIR	09/01/98	475	1.717	815.575	09/08/98				<1.0		<1.2		A
27543	PL-30	BERYLLIUM-AIR	09/01/98	475	1.717	815.575	09/08/98	<0.00002		<0.00003					A
27544	PL-31	LEAD-AIR	09/01/98	470	1.693	795.71	09/08/98				1.8		2.3		A
27544	PL-31	BERYLLIUM-AIR	09/01/98	470	1.693	795.71	09/08/98	0.00044		0.00055					A
27545	PL-32 BLK-BLANK	LEAD-AIR	09/01/98	N/A	N/A	N/A	09/08/98				<1.0		N/A		A
27545	PL-32 BLK-BLANK	BERYLLIUM-AIR	09/01/98	N/A	N/A	N/A	09/08/98	<0.00002		N/A					A
27546	SPL-05	LEAD-AIR	09/01/98	480	1.715	823.2	09/08/98				<1.0		<1.2		A
27546	SPL-05	BERYLLIUM-AIR	09/01/98	480	1.715	823.2	09/08/98	<0.00002		<0.00003					A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Daniel A. White  
APPROVED: Mark R. BanisterDate: 09/08/98  
Date: 9/14/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/ONM CORP. (847) 473-1694</u> <sup>1697 (FAX)</sup>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTES</u>	
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Delivery Date <u>0600 (RD+SPR) &amp; 7300 (PL+SL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/1/98	PL-29	1	0910 1640	450	1722 1659	1691	761				
"	PL-30	2	0915 1710	475	1732 1702	1717	816				
"	PL-31	3	0918 1708	470	1717 1648	1693	795				
"	PL-32								BLANK		
"	SPL-05	4	0902 1702	480	1724 1705	1715	823	X	MIKE HAASE - DUST CONTROL - EMPLOYEE # 958045		
"	RD-33	5	0910 1640	450	1725 1676	1701	765				
"	RD-34	6	0915 1710	475	1704 1659	1682	799				
"	RD-35	7	0918 1708	470	1727 1692	1710	803				

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, ONM/IT, 9/3/98

Received by Judy Shellen 9-3-98

2. Relinquished by Judy Shellen 9-3-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: ARCO ADDRESS

Invoice to: ARCO ADDRESS ATTN: JOE GARNETT

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

Industrial Hygiene  
Field Sampling Data Sheet

Project No. 970892 IT/OHM CORP. (847) 473-1694 1697 (FAX)								Sampler's Name TODD D. TEETS		
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE								Sample Type MCE FILTER CASSETTES		
Site Location 1170 MLK JR. DRIVE, NORTH CHICAGO, IL 60664					Delivery Date		Analysis Required 0600 (RD + SPR) + 7300 (PL + SPL)			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches	
9/1/98	RD-36								BLANK	
"	(37) SPR-05	6	0900 1702	462	1731 1698	1715	824	X	KATHY HARTLUP - DUMP TRUCK - EMPLOYEE # 958014	

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, OHM/IT, 9/2/98

Received by Judy Ahlert 9.3.98

2. Relinquished by Judy Ahlert 9.3.98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: ABOVE ADDRESS

Invoice to: ABOVE ADDRESS ATTN: JOE CAHNETO

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 15, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 4, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.000025 mg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Eng. ers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/09/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83613

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27690	PL-33	LEAD-AIR	09/02/98	489	1.722	842.058	09/08/98				<1.0		<1.2		A
27690	PL-33	BERYLLIUM-AIR	09/02/98	489	1.722	842.058	09/08/98	<0.00002		<0.00003					A
27691	PL-34	LEAD-AIR	09/02/98	483	1.735	838.005	09/08/98				<1.0		<1.2		A
27691	PL-34	BERYLLIUM-AIR	09/02/98	483	1.735	838.005	09/08/98	<0.00002		<0.00003					A
27692	PL-35	LEAD-AIR	09/02/98	485	1.744	845.84	09/08/98				<1.0		<1.2		A
27692	PL-35	BERYLLIUM-AIR	09/02/98	485	1.744	845.84	09/08/98	<0.00002		<0.00003					A
27693	PL-36-BLANK	LEAD-AIR	09/02/98	N/A	N/A	N/A	09/08/98				<1.0		N/A		A
27693	PL-36-BLANK	BERYLLIUM-AIR	09/02/98	N/A	N/A	N/A	09/08/98	<0.00002		N/A					A
27694	SPL-06	LEAD-AIR	09/02/98	480	1.705	818.4	09/08/98				<1.0		<1.2		A
27694	SPL-06	BERYLLIUM-AIR	09/02/98	480	1.705	818.4	09/08/98	<0.00002		<0.00003					A
27700	PL-37	LEAD-AIR	09/03/98	300	1.733	519.9	09/08/98				<1.0		<1.9		A
27700	PL-37	BERYLLIUM-AIR	09/03/98	300	1.733	519.9	09/08/98	<0.00002		<0.00005					A
27701	PL-38	LEAD-AIR	09/03/98	298	1.746	520.308	09/08/98				<1.0		<1.9		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

# USX Engineering & Consultants Inc.

Industrial & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/09/1998

PAGE - 2

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83613

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
27701	PL-38	BERYLLIUM-AIR	09/03/98	298	1.746	520.308	09/08/98	<0.00002		<0.00005					A
27702	PL-39	LEAD-AIR	09/03/98	300	1.719	515.7	09/08/98				<1.0		<1.9		A
27702	PL-39	BERYLLIUM-AIR	09/03/98	300	1.719	515.7	09/08/98	<0.00002		<0.00005					A
27703	SPL-07	LEAD-AIR	09/03/98	305	1.671	509.655	09/08/98				<1.0		<2.0		A
27703	SPL-07	BERYLLIUM-AIR	09/03/98	305	1.671	509.655	09/08/98	<0.00002		<0.00005					A
27704	PL-40-BLANK	LEAD-AIR	09/03/98	N/A	N/A	N/A	09/08/98				<1.0		N/A		A
27704	PL-40-BLANK	BERYLLIUM-AIR	09/03/98	N/A	N/A	N/A	09/08/98	<0.00002		N/A					A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Daniel O. W.  
APPROVED: Mark R. Banister

Date: 09/09/98  
Date: 9/15/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* - Information not supplied by client. < - less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# - Information not requested by client. N/A - Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
400 Sch Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/OMM CORP. (847) 473-1694 (FAX) 1697										Sampler's Name TODD D. TEETS	
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE										Sample Type MCE FILTER CASSETTES	
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064										Analysis Required 0600 (RD+SPR) + 7300 (PL+SPL)	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/2/98	PL-33	1	0851 1700	489	1737 1706	1722	842	X	UW		
"	PL-34	2	0855 1658	483	1729 1741	1735	838	X	DW-1		
"	PL-35	3	0858 1703	485	1732 1755	1744	846	X	DW-2		
"	PL-36								BLANK		
"	SPL-06	4	0900 1700	480	1709 1700	1705	818	X	JOE JACK - LOADER/PILE HAWDO EMPLOYEE #957583		
"	RD-38	5	0851 1700	489	1728 1740	1734	848	X	UW		
"	RD-39	6	0855 1654	483	1725 1692	1709	825	X	DW-1		
"	RD-40	7	0858 1703	485	1724 1687	1706	827	X	DW-2		

## SIGNATURES: (Name, Company, Date and Time)

- |   |                          |
|---|--------------------------|
| 1. Relinquished by <u>Todd D. Teets, IT/OMM, 9/3/98</u> | 3. Relinquished by _____ |
| Received by <u>Jerry Strehler 9-4-98</u>                | Received by _____        |
| 2. Relinquished by <u>Jerry Strehler 9-4-98</u>         | 4. Relinquished by _____ |
| Received by _____                                       | Received by _____        |

Final Report to: SEE ABOVE ADDRESS

Invoice to: SEE ABOVE ADDRESS, ATTN: JOE GAIRDETTO





USX Engineers & Consultants, Inc.  
40 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

Industrial Hygiene  
Field Sampling Data Sheet

Project No. 920892 IT/OMM Corp. (847) 473-1694 1699 (FAX)						Sampler's Name TODD D. TEETS				
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE						Sample Type PUCK FILTER CASSETTES				
Site Location 1120 MLK - TR. DRIVE, NORTH CHICAGO, IL 60064						Delivery Date 0600 (RD+SPR) + 7300 (PL+SP)				
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches	
9/2/98	RD-41		:						BLANK	
"	(42) SPR-06	8	0900 1700	480	1722 1702	1712	821	X	JOE CARL - EXCAVATOR - EMPLOYEE # 957354	

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT/OMM, 9/3/98  
Received by Judy Strehle 9-4-98

2. Relinquished by Judy Strehle 9-4-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: SEE ABOVE ADDRESS

Invoice to: SEE ABOVE ADDRESS, ATTN: JOE GARIBO

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 16, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 14, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/15/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83709

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
28418	PL-41	LEAD-AIR	09/09/98	482	1.744	840.608	09/14/98				<1.0		<1.2		A
28418	PL-41	BERYLLIUM-AIR	09/09/98	482	1.744	840.608	09/14/98				<0.025		<0.030		A
28419	PL-42	LEAD-AIR	09/09/98	475	1.705	809.875	09/14/98				<1.0		<1.2		A
28419	PL-42	BERYLLIUM-AIR	09/09/98	475	1.705	809.875	09/14/98				<0.025		<0.031		A
28420	PL-43	LEAD-AIR	09/09/98	478	1.717	820.726	09/14/98				<1.0		<1.2		A
28420	PL-43	BERYLLIUM-AIR	09/09/98	478	1.717	820.726	09/14/98				<0.025		<0.031		A
28421	PL-44-BLANK	LEAD-AIR	09/09/98	N/A	N/A	N/A	09/14/98				<1.0		N/A		A
28421	PL-44-BLANK	BERYLLIUM-AIR	09/09/98	N/A	N/A	N/A	09/14/98				<0.025		N/A		A
28422	SPL-08	LEAD-AIR	09/09/98	480	1.736	833.28	09/14/98				<1.0		<1.2		A
28422	SPL-08	BERYLLIUM-AIR	09/09/98	480	1.736	833.28	09/14/98				<0.025		<0.030		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Daniel A. WeirDate: 09/15/98APPROVED: Mark R. BanisterDate: 9/16/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES

I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/CHM CORP. (847) 473-1694 1697 (FAX)										Sampler's Name TODD D. TEETS	
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE										Sample Type MCE FILTER CASSETTES	
Site Location 1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064										Analysis Required 0600 (RD+SPR) + 7300 (PL+SPL)	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/9/98	PL-41	1	0850 1652	482	1750 1738	1744	840		X	UW	
"	PL-42	2	0900 1655	475	1709 1701	1705	809.9		X	DW-1	
"	PL-43	3	0905 1703	478	1733 1701	1717	820		X	DW-2	
"	PL-44									BLANK	
"	SPL-08	4	0845 1645	480	1743 1729	1736	833	X		GEORGE DUCKWORTH - DUST CONTROL - EMPLOYEE # 957644	
"	RD-48	5	0850 1652	482	1730 1680	1705	821		X	UW	
"	RD-49	6	0900 1655	475	1704 1657	1681	798		X	DW-1	
"	RD-50	7	0905 1703	478	1744 1697	1721	822		X	DW-2	

## SIGNATURES: (Name, Company, Date and Time)

- |   |                          |
|---|--------------------------|
| 1. Relinquished by <u>Todd D. Teets, IT/CHM, 9-9-98</u> | 3. Relinquished by _____ |
| Received by <u>Judy Stuhlen 9-11-98</u>                 | Received by _____        |
| 2. Relinquished by <u>Judy Stuhlen 9-14-98</u>          | 4. Relinquished by _____ |
| Received by _____                                       | Received by _____        |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/DAM CORP.</u> <u>(847) 473-1694</u> <u>1697 (EAD)</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTES</u>	
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Analysis Required <u>0600 (RD + SPR) + 7300 (PL + SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/9/98	(RD-51) SPR-08	8	0845 1645	440.	1709 1701	1705	818	X	SON. CARR - EXCAVATOR EMP# 957354		
9/9/98	RD-52								BLANK		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd Teets, IT/DAM, 9-9-98  
Received by Jerry Strubler 9-11-98

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

2. Relinquished by Jerry Strubler 9-14-98  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 16, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 11, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

EH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/15/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83705

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
28387	PL-45	LEAD-AIR	09/10/98	490	1.728	846.72	09/14/98				<1.0		<1.2		A
28387	PL-45	BERYLLIUM-AIR	09/10/98	490	1.728	846.72	09/14/98				<0.025		<0.030		A
28388	PL-46	LEAD-AIR	09/10/98	479	1.719	823.401	09/14/98				<1.0		<1.2		A
28388	PL-46	BERYLLIUM-AIR	09/10/98	479	1.719	823.401	09/14/98				<0.025		<0.030		A
28389	PL-47	LEAD-AIR	09/10/98	482	1.729	833.378	09/14/98				<1.0		<1.2		A
28389	PL-47	BERYLLIUM-AIR	09/10/98	482	1.729	833.378	09/14/98				<0.025		<0.030		A
28390	PL-48-BLANK	LEAD-AIR	09/10/98	N/A	N/A	N/A	09/14/98				<1.0		N/A		A
28390	PL-48-BLANK	BERYLLIUM-AIR	09/10/98	N/A	N/A	N/A	09/14/98				<0.025		N/A		A
28391	SPL-09	LEAD-AIR	09/10/98	480	1.701	816.48	09/14/98				<1.0		<1.2		A
28391	SPL-09	BERYLLIUM-AIR	09/10/98	480	1.701	816.48	09/14/98				<0.025		<0.031		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: David A. White

Date: 09/15/98

APPROVED: Mark R. Banister

Date: 9/16/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B = TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/ORM CORP. (847) 473-1694</u> <sup>1697 (FAX)</sup>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTES</u>	
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Analysis Required <u>0600 (RD + SPR) + 7300 (PL + SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish		Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches	
9/10/98	PL-45	1	0855 1705	490	1744	1711	1728	847	X	UPWIND	
"	PL-46	2	0905 1706	479	1731	1707	1719	823	X	DOWNWIND	
"	PL-47	3	0910 1712	482	1745	1712	1729	833	X	DOWNWIND	
"	PL-48									BLANK	
"	SPL-09	4	0915 1715	480	1704	1698	1701	816	X	JOHNNY HESTER - EXCAVATOR -	
"	RD-53	5	0855 1705	490	1710	1711	1711	838	X	UPWIND	
"	RD-54	6	0905 1706	479	1732	1682	1707	818	X	DOWNWIND	
"	RD-55	7	0910 1712	482	1729	1730	1730	834	X	DOWNWIND	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT/ORM, 9/10/98  
Received by Greg Strehler 9-11-98

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

2. Relinquished by Greg Strehler 9-11-98  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

Industrial Hygiene  
Field Sampling Data Sheet

Project No. 920892 IT/OMM CORP. (847) 473-1694 1697 (FAX)						Sampler's Name TODD D. TEETS					
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE						Sample Type MCE FILTER CASSETTES					
Site Location 1120 MLK JR. DRIVE NORTH CHICAGO, IL 60664						Delivery Date Analysis Required 0600 (RD4 SPR) & 7300 (PL4 SPL)					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type	Pers/Area	Name - Social Security Number and/or Comments and Sketches	
9/10/98	RD-56									BLANK	
"	(57) SPR-09	8	0920 1715	480	1730 1723	827		X		GENE DUCKWORTH - DUST CONTROL	

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT/OMM, 9/10/98

Received by Jerry Strahlen 9-11-98

2. Relinquished by Jerry Strahlen 9-11-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 17, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu$ g

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/22/1998

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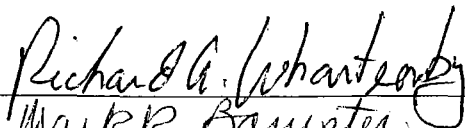
Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83763

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
28848	PL-49	LEAD-AIR	09/16/98	475	1.748	830.3	09/21/98				<1.0		<1.2		A
28848	PL-49	BERYLLIUM-AIR	09/16/98	475	1.748	830.3	09/21/98				<0.025		<0.030		A
28849	PL-50	LEAD-AIR	09/16/98	480	1.727	828.96	09/21/98				<1.0		<1.2		A
28849	PL-50	BERYLLIUM-AIR	09/16/98	480	1.727	828.96	09/21/98				<0.025		<0.030		A
28850	PL-51	LEAD-AIR	09/16/98	478	1.695	810.21	09/21/98				<1.0		<1.2		A
28850	PL-51	BERYLLIUM-AIR	09/16/98	478	1.695	810.21	09/21/98				<0.025		<0.031		A
28851	PL-52-BLANK	LEAD-AIR	09/16/98	N/A	N/A	N/A	09/21/98				<1.0		N/A		A
28851	PL-52-BLANK	BERYLLIUM-AIR	09/16/98	N/A	N/A	N/A	09/21/98				<0.025		N/A		A
28852	SPL-10	LEAD-AIR	09/16/98	483	1.696	819.168	09/21/98				<1.0		<1.2		A
28852	SPL-10	BERYLLIUM-AIR	09/16/98	483	1.696	819.168	09/21/98				<0.025		<0.031		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST :



Date:

09/23/98

APPROVED:



Date:

9/25/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>92D892</u> <u>IT/CHN CORP. (412) 473-1694</u> <u>1697 (FAX)</u>										Sampler's Name <u>TODD D. TERTS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>PCE FILTER CASSETTES</u>	
Site Location <u>112D MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/16/98	PL-49	1	0815 1610	475	1743 1752	1748	830	X	UW		
"	PL-50	2	0800 1600	480	1708 1745	1727	829	X	DW-1		
"	PL-51	3	0805 1603	478	1716 1674	1695	810	X	DW-2		
"	PL-52								BLANK		
"	SPL-10	4	0820 1623	443	1704 1685	1696	819	X	GENE DUCKWORTH - TARPING TRUCKS - EMP# 957644		
"	RD-58	5	0815 1610	475	1708 1684	1696	806	X	UW		
"	RD-59	6	0800 1600	480	1725 1705	1715	823	X	DW-1		
"	RD-60	7	0805 1603	478	1745 1680	1713	819	X	DW-2		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Terts, 10, 9/17/98  
Received by Janey Stahl 9-17-98

2. Relinquished by Janey Stahl 9-17-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>92D892</u> <u>IT/OMM Corp.</u> <u>1697 (FAM)</u> <u>(847) 473-1694</u>						Sampler's Name <u>TODD D. TEETS</u>					
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCE FILTER CASSETTES</u>					
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/16/98	RD-61								BLANK		
"	SPR-10 (62)	8	0815/1618	443	1717/1709	1713	827	X	TOMMY NESTER - EXCAVATOR EMP # 957803		

## SIGNATURES: (Name, Company, Date and Time)

- |  |                          |
|--|--------------------------|
| 1. Relinquished by <u>Todd D. Teets, IT, 9/12/98</u> | 3. Relinquished by _____ |
| Received by <u>Jeff Stahler 9-17-98</u>              | Received by _____        |
| 2. Relinquished by <u>Jeff Stahler 9-12-98</u>       | 4. Relinquished by _____ |
| Received by _____                                    | Received by _____        |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/22/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83808

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
29085	PL-53	LEAD-AIR	09/17/98	560	1.707	955.92	09/21/98				<1.0		<1.1		A
29085	PL-53	BERYLLIUM-AIR	09/17/98	560	1.707	955.92	09/21/98				<0.025		<0.026		A
29086	PL-54	LEAD-AIR	09/17/98	557	1.728	962.496	09/21/98				<1.0		<1.0		A
29086	PL-54	BERYLLIUM-AIR	09/17/98	557	1.728	962.496	09/21/98				<0.025		<0.026		A
29087	PL-55	LEAD-AIR	09/17/98	558	1.744	973.152	09/21/98				<1.0		<1.0		A
29087	PL-55	BERYLLIUM-AIR	09/17/98	558	1.744	973.152	09/21/98				<0.025		<0.026		A
29088	PL-56-BLANK	LEAD-AIR	09/17/98	N/A	N/A	N/A	09/21/98				<1.0		N/A		A
29088	PL-56-BLANK	BERYLLIUM-AIR	09/17/98	N/A	N/A	N/A	09/21/98				<0.025		N/A		A
29089	SPL-11	LEAD-AIR	09/17/98	525	1.731	908.775	09/21/98				<1.0		<1.1		A
29089	SPL-11	BERYLLIUM-AIR	09/17/98	525	1.731	908.775	09/21/98				<0.025		<0.028		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Richard A. Whartley  
APPROVED: Mark R. BanisterDate: 09/23/98  
Date: 9/25/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>940892</u> <u>IT/OWN CORP. (347) 473-1694</u> <sup>1697 (FAX)</sup>										Sampler's Name <u>TODD D. TRETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MIXE FILTER CASSETTES</u>	
Site Location <u>1140 MLK-TR. DRIVE, NORTH CHICAGO, IL 60064</u>										Analysis Required <u>01600 (RD+SPL) + 7300 (PL+SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/17/98	PL-53	1	0820 1740	560	1702 1711	1707	956		X	UW-1	
"	PL-54	2	0825 1742	557	1708 1748	1728	9162		X	DW-1	
"	PL-55	3	0827 1745	558	1720 1762	1744	973		X	DW-2	
"	PL-56									BLANK	
"	SPL-11	4	0835 1720	525	1737 1725	1731	909	X		MIKE HAASE - DUMP TRUCK EMP# 958045 NAZ. MATERIAL	
"	RD-63	5	0820 1740	560	1720 1734	1727	967		X	UW	
"	RD-64	6	0825 1742	557	1725 1687	1706	950		X	DW-1	
"	RD-65	7	0827 1745	558	1721 1762	1742	972		X	DW-2	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Trets IT Corp 9-17-98

Received by John Stehler 9-21-98

2. Relinquished by John Stehler 9-21-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>92D 892 15/0000 CORP. (847) 473-1694</u> <sup>1694 (FAX)</sup>								Sampler's Name <u>TODD D. TERTS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>NIKE FILTER CASSETTES</u>			
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0601 (RD+SPR) + 1300 (PL+SPR)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/17/98	RD-66								BLANK		
"	(RD-66) SPR-611	8	0835 1720	525	1714 1727	0.1703	904	X	JOHNNY HESTER - EXCAVATOR EMP# 957803 NAZ MATERIAL		

## SIGNATURES: (Name, Company, Date and Time)

- |   |                          |
|---|--------------------------|
| 1. Relinquished by <u>Todd D. Terts, 15 CORP, 9-17-98</u> | 3. Relinquished by _____ |
| Received by <u>Johny Hester 9-21-98</u>                   | Received by _____        |
| 2. Relinquished by <u>Johny Hester 9-21-98</u>            | 4. Relinquished by _____ |
| Received by _____   | Received by _____        |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 24, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu$ g

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412) 825-2400 FAX: (412) 825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/24/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83806

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
29072	PL-57	LEAD-AIR	09/18/98	420	1.684	707.28	09/21/98				<1.0		<1.4		A
29072	PL-57	BERYLLIUM-AIR	09/18/98	420	1.684	707.28	09/21/98				<0.025		<0.035		A
29073	PL-58	LEAD-AIR	09/18/98	435	1.7	739.5	09/21/98				<1.0		<1.4		A
29073	PL-58	BERYLLIUM-AIR	09/18/98	435	1.7	739.5	09/21/98				<0.025		<0.034		A
29074	PL-59	LEAD-AIR	09/18/98	425	1.724	732.7	09/21/98				<1.0		<1.4		A
29074	PL-59	BERYLLIUM-AIR	09/18/98	425	1.724	732.7	09/21/98				<0.025		<0.034		A
29075	PL-60-BLANK	LEAD-AIR	09/18/98	N/A	N/A	N/A	09/21/98				<1.0		N/A		A
29075	PL-60-BLANK	BERYLLIUM-AIR	09/18/98	N/A	N/A	N/A	09/21/98				<0.025		N/A		A
29076	SPL-12	LEAD-AIR	09/18/98	425	1.689	717.825	09/21/98				<1.0		<1.4		A
29076	SPL-12	BERYLLIUM-AIR	09/18/98	425	1.689	717.825	09/21/98				<0.025		<0.035		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST :

*Richard A. Whartenby*

Date:

*09/24/98*

APPROVED:

*Mark R. Banister*

Date:

*9/25/98*

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/CHM CORP. (847) 473-1694</u> <sup>1697 (FAX)</sup>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>1120 MILK TR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600(RD+SPR) + 7300(PL+SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/13/98	PL-57	1	0900 10540 1600	420	1695 1673	1684	707	X	UW		
"	PL-58	2	0840 10240 1655	435	1710 1691	1700	739	X	DW-1		
"	PL-59	3	0910 1715	425	1718 1729	1724	732	X	DW-2		
"	PL-60								BLANK		
"	SPL-12	4	0915 1620	425	1705 1672	1689	718	X	VINCENT MORALES - DUST CONTROL - EMP# 957616 - EAST SIDE OF CREEK		
"	RD-68	5	0900 10540 1600	420	1710 1738	1724	724	X	UW		
"	RD-69	6	0840 10240 1655	435	1715 1702	1709	743	X	DW-1		
"	RD-70	7	0910 1715	425	1714 1682	1698	722	X	DW-2		

NOTE: TIMES ARE EDT

SIGNATURES: (Name, Company, Date and Time)

- Relinquished by TODD D. TEETS, IT Corp, 9/14/98  
Received by Judy Stricker 9-21-98
- Relinquished by Judy Stricker 9-21-98  
Received by \_\_\_\_\_

- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

**USX Engineers & Consultants, Inc.**

4000 Tech Center Drive, MS-15, Monroeville, PA 15146

(412) 825-2400 Fax: (412) 825-2407

**Industrial Hygiene  
Field Sampling Data Sheet**

Project No. <u>920892 IT/CHM CORP (347) 473-1694</u>						Sampler's Name <u>TODD D. TREETS</u>					
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCE FILTER CASSETTE</u>					
Site Location <u>1120 MLK-TR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/14/98	RD-71								BLANK		
"	(RD-72) SPR-12	8	0915 1120	425	1725 1649	1707	725	X	JOHNNY HESTER - EXCAVATOR - EMP.# 957803		

**SIGNATURES: (Name, Company, Date and Time)**

- Relinquished by Todd Treets, IT Corp, 9/14/98  
Received by John Strehler 9-21-98
- Relinquished by John Strehler 9-21-98  
Received by \_\_\_\_\_

- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 29, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 22, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 09/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83832

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
29242	PL-61	LEAD-AIR	09/21/98	461	1.737	800.757	09/26/98				<1.0		<1.2		A
29242	PL-61	BERYLLIUM-AIR	09/21/98	461	1.737	800.757	09/26/98				<0.025		<0.031		A
29243	PL-62	LEAD-AIR	09/21/98	466	1.741	811.306	09/26/98				<1.0		<1.2		A
29243	PL-62	BERYLLIUM-AIR	09/21/98	466	1.741	811.306	09/26/98				<0.025		<0.031		A
29244	PL-63	LEAD-AIR	09/21/98	446	1.739	775.594	09/26/98				<1.0		<1.3		A
29244	PL-63	BERYLLIUM-AIR	09/21/98	446	1.739	775.594	09/26/98				<0.025		<0.032		A
29245	PL-64-BLANK	LEAD-AIR	09/21/98	N/A	N/A	N/A	09/26/98				<1.0		N/A		A
29245	PL-64-BLANK	BERYLLIUM-AIR	09/21/98	N/A	N/A	N/A	09/26/98				<0.025		N/A		A
29246	SPL-13	LEAD-AIR	09/21/98	450	1.755	789.75	09/26/98				<1.0		<1.3		A
29246	SPL-13	BERYLLIUM-AIR	09/21/98	450	1.755	789.75	09/26/98				<0.025		<0.032		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Richard A. Wharley  
APPROVED: Mark R. Banister

Date: 09/28/98  
Date: 9/29/98

Mark R. Banister, CIH, Quality Assurance Officer  
NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/CAAM CORP (847) 473-1694</u> <u>1697 (FAP)</u>										Sampler's Name <u>TODD D. TREET</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MICE FILTER CASSETTE</u>	
Site Location <u>1120 MLK TR. DRIVE, NORTH CHICAGO, IL 60064</u>										Delivery Date <u>60064</u>	
Analysis Required <u>0600 (RD+SPR) + 7300 (PL+SP)</u>											
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/21/98	PL-61	1	0850 1629	461	1712 1762	1737	800		X	UW NORTH FENCE	
"	PL-62	2	0830 1616	466	1717 1765	1741	811		X	DW-1 EAST FENCE	
"	PL-63	3	0845 1559	446	1707 1720	1739	775		X	DW-2 SOUTH FENCE	
"	PL-64									BLANK	
"	SPL-43	4	0855 1125	450	1732 1778	1755	790	X		VINCENT MORALES - DUMP TRUCK EMP. #957614	
"	RD-73	5	0850 1629	461	1713 1761	1737	800		X	UW NORTH FENCE	
"	RD-74	6	0830 1616	466	1735 1827	1781	830		X	DW-1 EAST FENCE	
"	RD-75	7	0845 1559	446	1722 1810	1766	787		X	DW-2 SOUTH FENCE	

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Treet, IT, 9/21/98  
Received by July Strahler 9-22-98

2. Relinquished by July Strahler 9-22-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920897</u> <u>15/ONM CORP (847) 473-1694</u> <u>1697 (FAN)</u>						Sampler's Name <u>TODD D. TEETS</u>					
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCE FILTER CASSETTE</u>					
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Analysis Required <u>NIOSH 0600 (RD+SPR) + 1300 (PL+SP)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/21/98	RD-76								BLANK		
"	SPR-13	6	0855 1625	450	1716 1760	1734	1782	X	JOHNNY HESTER - EXCAVATOR - EMP. # 957803		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd Teets, IT, 9/21/98  
Received by John Hester 9-22-98

2. Relinquished by John Hester 9-22-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final I t to: \_\_\_\_\_

Invoc is: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

September 29, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

---

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83852

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
29355	PL-65	LEAD-AIR	09/22/98	435	1.711	744.285	09/26/98				<1.0		<1.3		A
29355	PL-65	BERYLLIUM-AIR	09/22/98	435	1.711	744.285	09/26/98				<0.025		<0.034		A
29356	PL-66	LEAD-AIR	09/22/98	438	1.713	750.294	09/26/98				<1.0		<1.3		A
29356	PL-66	BERYLLIUM-AIR	09/22/98	438	1.713	750.294	09/26/98				<0.025		<0.033		A
29357	PL-67	LEAD-AIR	09/22/98	430	1.709	734.87	09/26/98				<1.0		<1.4		A
29357	PL-67	BERYLLIUM-AIR	09/22/98	430	1.709	734.87	09/26/98				<0.025		<0.034		A
29358	PL-68-BLANK	LEAD-AIR	09/22/98	N/A	N/A	N/A	09/26/98				<1.0		N/A		A
29358	PL-68-BLANK	BERYLLIUM-AIR	09/22/98	N/A	N/A	N/A	09/26/98				<0.025		N/A		A
29359	SPL-14	LEAD-AIR	09/22/98	420	1.717	721.14	09/26/98				<1.0		<1.4		A
29359	SPL-14	BERYLLIUM-AIR	09/22/98	420	1.717	721.14	09/26/98				<0.025		<0.035		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Richard G. Wharfeny  
APPROVED: Mark R. BanisterDate: 09/28/98  
Date: 9/29/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>922892 15/01/94 CORP. (847) 473-1694 (1697) (FAX)</u>						Sampler's Name <u>TODD D. TEETS</u>					
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCK FILTER CASSETTE</u>					
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600(RD+SPR) + 7300 (PL+SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol. Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/22/94	PL-65	1	0800 1515	435	1704 1714	1711	744		X	UW	
"	PL-66	2	0810 1528	438	1710 1716	1713	750		X	DW-1	
"	PL-67	3	0750 1500	430	1702 1716	1709	735		X	DW-2	
"	PL-68									BLANK	
"	SPL-14	4	0815 1515	420	1701 1732	1717	721	X			
"	RD-77	5	0800 1515	435	1714 1732	1723	749		X	UW	
"	RD-78	6	0810 1528	438	1698 1718	1708	748		X	DW-1	
"	RD-79	7	0750 1500	430	1713 1717	1715	737		X	DW-2	

SIGNATURES: (Name, Company, Date and Time)

- |  |                          |
|--|--------------------------|
| 1. Relinquished by <u>Todd D. Teets, Jr. 9/22/94</u> | 3. Relinquished by _____ |
| Received by <u>Andy Strahlen 9-23-94</u>             | Received by _____        |
| 2. Relinquished by <u>Andy Strahlen 9-23-94</u>      | 4. Relinquished by _____ |
| Received by _____                                    | Received by _____        |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/OMA CORP (847) 473-1694</u> <u>1697(FAX)</u>								Sampler's Name <u>TODD D. TESTS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>MOCK FILTER CASSETTE</u>			
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>								Delivery Date _____ Analysis Required _____			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/23/98	PCD-80								BLANK		
"	SPR-14	8	0819 1515	420	1704 1714	1709	718	X	ION. CARR - FRONT END LOADER - EMP # 957354		

## SIGNATURES: (Name, Company, Date and Time)

- |  |                          |
|--|--------------------------|
| 1. Relinquished by <u>Todd D. Tests, IT, 9/23/98</u> | 3. Relinquished by _____ |
| Received by <u>Greg Strehler 9-23-98</u>             | Received by _____        |
| 2. Relinquished by <u>Greg Strehler 9-23-98</u>      | 4. Relinquished by _____ |
| Received by _____                                    | Received by _____        |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 2, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on September 28, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

A subsidiary of USX Corporation

**USX**<sup>TM</sup>

**USX Engineers & Consultants Inc.**

IH &amp; Environmental Laboratories

4000 Tech Center Drive

Monroeville, PA 15146

PHONE: (412)825-2400 FAX: (412)825-2407

AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 09/29/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 83939

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
29735	PL-69	LEAD-AIR	09/25/98	470	1.707	802.29	09/29/98				<1.0		<1.2		A
29735	PL-69	BERYLLIUM-AIR	09/25/98	470	1.707	802.29	09/29/98				<0.025		<0.031		A
29736	PL-70	LEAD-AIR	09/25/98	470	1.686	792.42	09/29/98				<1.0		<1.3		A
29736	PL-70	BERYLLIUM-AIR	09/25/98	470	1.686	792.42	09/29/98				<0.025		<0.032		A
29737	PL-71	LEAD-AIR	09/25/98	470	1.718	807.46	09/29/98				<1.0		<1.2		A
29737	PL-71	BERYLLIUM-AIR	09/25/98	470	1.718	807.46	09/29/98				<0.025		<0.031		A
29738	PL-72-BLANK	LEAD-AIR	09/25/98	N/A	N/A	N/A	09/29/98				<1.0		N/A		A
29738	PL-72-BLANK	BERYLLIUM-AIR	09/25/98	N/A	N/A	N/A	09/29/98				<0.025		N/A		A
29739	SPL-15	LEAD-AIR	09/25/98	475	1.701	807.975	09/29/98				<1.0		<1.2		A
29739	SPL-15	BERYLLIUM-AIR	09/25/98	475	1.701	807.975	09/29/98				<0.025		<0.031		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhartenbyDate: 09/29/98APPROVED: Mark R. BanisterDate: 10/5/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/OMM CORP. (847) 473-1694</u> <sup>(1699 FAX)</sup>								Sampler's Name <u>TODD D. TEETS</u>			
Project Name <u>VACANT LOT SITE- VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>NICKEL FILTER CASSETTE</u>			
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>								Delivery Date <u>0600 (RD+SP) + 7300 (PL+SP)</u>			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/25/98	PL-69	1	0905 0910	1555	470	1713	1701	1707	802	X	
"	PL-70	2	0915	1605	470	1712	1660	1686	792	X	
"	PL-71	3	0920	1610	470	1713	1723	1718	807	X	
"	PL-72									BLANK	
"	SPL-15	4	0930	1625	475	1720	1682	1701	808	X	
"	RD-82	5	0805	1555	470	1708	1702	1705	801	X	
"	RD-83	6	0815	1605	470	1700	1689	1695	796	X	
"	RD-84	7	0820	1610	470	1712	1613	1663	781	X	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT Corp, 9/25/98

Received by Judy Stricklen 9-28-98

2. Relinquished by Judy Stricklen 9-28-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/OAM CORP. (847) 473-1694</u> <u>(1697 FAX)</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
9/25/98	RD-85								BLANK		
11	SPR-15	6	0830 1025	475	1701 1107	1684	800	X	JOHNNY NESTER - EXCAVATOR - EMP. #957803		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, US Corp, 9/25/98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 20, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 14, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/16/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84149

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
31275	PL-73	LEAD-AIR	10/13/98	455	1.766	803.53	10/16/98				<1.0		<1.2		A
31275	PL-73	BERYLLIUM-AIR	10/13/98	455	1.766	803.53	10/16/98				<0.025		<0.031		A
31276	PL-74	LEAD-AIR	10/13/98	456	1.742	794.352	10/16/98				<1.0		<1.3		A
31276	PL-74	BERYLLIUM-AIR	10/13/98	456	1.742	794.352	10/16/98				<0.025		<0.031		A
31277	PL-75	LEAD-AIR	10/13/98	456	1.732	789.792	10/16/98				<1.0		<1.3		A
31277	PL-75	BERYLLIUM-AIR	10/13/98	456	1.732	789.792	10/16/98				<0.025		<0.032		A
31278	PL-76-BLANK	LEAD-AIR	10/13/98	N/A	N/A	N/A	10/16/98				<1.0		N/A		A
31278	PL-76-BLANK	BERYLLIUM-AIR	10/13/98	N/A	N/A	N/A	10/16/98				<0.025		N/A		A
31279	SPL-16	LEAD-AIR	10/13/98	458	1.762	806.996	10/16/98				<1.0		<1.2		A
31279	SPL-16	BERYLLIUM-AIR	10/13/98	458	1.762	806.996	10/16/98				<0.025		<0.031		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard G. Leharfeaby Date: 10/16/98  
APPROVED: Mark R. Banister Date: 10/20/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>9AD892 IT/OMM Corp. (5478) 473-1694 (1698 FAN)</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>112D MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Analysis Required <u>0600 (RT+SPR) + 7300 (PL+SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/13/98	PL-73	1	0845 1620	455	1721 1410	1766	803		X	UW	
"	PL-74	2	0840 1616	456	1708 1775	1742	794		X	DW-1	
"	PL-75	3	0855 1631	454	1707 1757	1732	789.8		X	DW-2	
"	PL-76									BLANK	
"	SPL-16	4	0905 1643	458	1724 1800	1762	806.9	X		VINCENT MORALES - FORKLIFT EMP.# 957616	
"	RD-87	5	0845 1620	455	1708 1752	1730	747		X	UW	
"	RD-88	6	0840 1616	456	1707 1703	1705	777		X	DW-1	
"	RD-89	7	0855 1631	454	1708 1710	1709	779		X	DW-2	

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT/OMM  
Received by Judy Strubler 10-14-98

2. Relinquished by Judy Strubler 10-14-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920492 12/04M Corp. (847) 473-1694 (1697 FAX)</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SIDE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SPR)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/13/98	RD-90								BLANK		
12/13/98	SPR-16	46	0905 1643	454	1730 1733	1732	793	X	JOHNNY HESTER - STABILIZATION EMP. # 957803		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets 12/04M

Received by Jerry Strahler 10-14-98

2. Relinquished by Jerry Strahler 10-14-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

October 26, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 19, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/21/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE

TRACKING NUMBER: 84194

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
31685	PL-77	LEAD-AIR	10/15/98	483	1.729	835.107	10/20/98				<1.0		<1.2		A
31685	PL-77	BERYLLIUM-AIR	10/15/98	483	1.729	835.107	10/20/98				<0.025		<0.030		A
31686	PL-78	LEAD-AIR	10/15/98	480	1.725	828.	10/20/98				<1.0		<1.2		A
31686	PL-78	BERYLLIUM-AIR	10/15/98	480	1.725	828.	10/20/98				<0.025		<0.030		A
31687	PL-79	LEAD-AIR	10/15/98	488	1.737	847.656	10/20/98				<1.0		<1.2		A
31687	PL-79	BERYLLIUM-AIR	10/15/98	488	1.737	847.656	10/20/98				<0.025		<0.029		A
31688	PL-80-BLANK	LEAD-AIR	10/15/98	*	*	N/A	10/20/98				<1.0		N/A		A
31688	PL-80-BLANK	BERYLLIUM-AIR	10/15/98	*	*	N/A	10/20/98				<0.025		N/A		A
31689	SPL-17	LEAD-AIR	10/15/98	490	1.723	844.27	10/20/98				<1.0		<1.2		A
31689	SPL-17	BERYLLIUM-AIR	10/15/98	490	1.723	844.27	10/20/98				<0.025		<0.030		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhitleyDate: 10/21/98APPROVED: Mark R. BanisterDate: 10/26/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920894 IT/OHM CORP. (847) 473-1694</u> (1697 FAX)										Sampler's Name <u>TODD D. TREETZ</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>1120 WILSON LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SP)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish		Total Mins.	Flow Rate Start/Finish		Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
10/15/98	PL-77	1	0850	1653	483	1703	1754	1729	834.9	X	
"	PL-78	2	0900	1700	480	1716	1734	1725	828	X	
"	PL-79	3	0905	1713	488	1707	1766	1737	847	X	
"	PL-80										BLANK
"	SP-17	4	0915	1725	490	1705	1740	1723	844	X	GENE DUCKWORTH - DUST CONTROL STAB. BRIDGE PILE EMP# 957644
"	RD-91	5	0850	1653	443	1700	1717	1709	825	X	
"	RD-92	6	0900	1700	480	1733	1796	1765	847	X	
"	RD-93	7	0905	1713	488	1716	1733	1725	841	X	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd Treetz, IT/OHM, 10/15/98

Received by Nick Arner 10/19/98

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by Nick Arner 10/19/98

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
 4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
 (412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920492 IT/OHM Corp. (847) 473-1694 (1697 FAX)</u>					Sampler's Name <u>TODD D. TEETS</u>						
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>					Sample Type <u>MCE FILTER CASSETTE</u>						
Site Location <u>1120 MILK TR. DRIVE, NORTH CHICAGO, IL 60064</u>					Delivery Date <u>10/15/98</u>						
Analysis Required <u>DL600 (KD+SPR) + 17300 (PL+SPAL)</u>											
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/15/98	RD-94								BLANK		
"	SPR-17	56	0915 1725	490	1723 1749	1736	850	X	JOHNNY WESTER - EXCAVATOR STAB. BRIDGE PILE EMP# 952803		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, IT/OHM 10/15/98

Received by Nick Corn 10/19/98

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by Nick Corn 10/19/98

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



**UEC**

USX Engineers  
& Consultants, Inc.

October 26, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 19, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/21/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE

TRACKING NUMBER: 84195

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
31695	PL-81	LEAD-AIR	10/16/98	490	1.684	825.16	10/20/98				<1.0		<1.2		A
31695	PL-81	BERYLLIUM-AIR	10/16/98	490	1.684	825.16	10/20/98				<0.025		<0.030		A
31696	PL-82	LEAD-AIR	10/16/98	486	1.725	838.35	10/20/98				<1.0		<1.2		A
31696	PL-82	BERYLLIUM-AIR	10/16/98	486	1.725	838.35	10/20/98				<0.025		<0.030		A
31697	PL-83	LEAD-AIR	10/16/98	482	1.675	807.35	10/20/98				<1.0		<1.2		A
31697	PL-83	BERYLLIUM-AIR	10/16/98	482	1.675	807.35	10/20/98				<0.025		<0.031		A
31698	PL-84-BLANK	LEAD-AIR	10/16/98	*	*	N/A	10/20/98				<1.0		N/A		A
31698	PL-84-BLANK	BERYLLIUM-AIR	10/16/98	*	*	N/A	10/20/98				<0.025		N/A		A
31699	SPL-18	LEAD-AIR	10/16/98	476	1.681	800.156	10/20/98				<1.0		<1.2		A
31699	SPL-18	BERYLLIUM-AIR	10/16/98	476	1.681	800.156	10/20/98				<0.025		<0.031		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhartleyDate: 10/21/98APPROVED: Mark R. BanisterDate: 10/26/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. &lt; = less than.

A - FILTER OR SINGLE STAGE MONITOR

C - TUBE OR 2 STAGE MONITOR

E - LIQUIDS OR SOLIDS

J - FILTER + TUBE

# = Information not requested by client. N/A = Not Applicable. B - TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

ATTN: MICHAEL TRUZIAN

USX Engineers & Consultants, Inc.

4000 Tech Center Drive, MS-15, Monroeville, PA 15146

(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892</u> <u>IT/ONM Corp (847) 473-1694</u> <u>(1697 FAX)</u>										Sampler's Name <u>TODD D. TEETS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER CASSETTE</u>	
Site Location <u>1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60064</u>										Analysis Required <u>0600 (RD+SPR) + 7300 (PL+ SPL)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/16/98	PL-81	1	0840 1650	490	1690 1677	1684	833	X			
"	PL-82	2	0900 1706	486	1702 1747	1725	826	X			
"	PL-83	3	0905 1707	482	1695 1655	1675	819.	X			
"	PL-84	.		AV 476					BLANK		
"	SPL-18	4	0910 1706	476	1682 1680	1681	809	X	Gene Duckworth - Dust Control Stab. Bridgefile Emp # 957644		
"	RD-95	5	0840 1650	490	1689 1674	1682	833	X			
"	RD-96	6	0900 1706	486	1695 1669	1682	826	X			
"	RD-97	7	0905 1707	483	1693 1693	1693	821	X			

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Allegiance, IT, 10/16/98, 1800

Received by Nick Deane 10/19/98

2. Relinquished by Nick Deane 10/19/98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
 4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
 (412) 825-2400 Fax: (412) 825-2407

## Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 15/OHM CORP. (847) 473-1694 (1697 FAX)</u>								Sampler's Name <u>TODD D. TERTS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTWORK SITE</u>								Sample Type <u>MCE FILTER CASSETTE</u>			
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>								Analysis Required <u>0600 (RD+SPR) + 7300 (PL+SPL)</u>			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/16/98	RD-99	AH	0910						BLANK		
"	SPR-18	6	0910	1706	476	1693	1672	1683	809	John Carr - Excavator Stab. Bridge Pile Emp # 957354	

### SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Alicia Jancuska, IT, 10/16/98, 1800

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

2. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 27, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu$ g

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister  
Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84224

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
31903	PL-85	LEAD-AIR	10/19/98	490	1.7	833.	10/23/98				<1.0		<1.2		A
31903	PL-85	BERYLLIUM-AIR	10/19/98	490	1.7	833.	10/23/98				<0.025		<0.030		A
31904	PL-86	LEAD-AIR	10/19/98	428	1.7	727.6	10/23/98				<1.0		<1.4		A
31904	PL-86	BERYLLIUM-AIR	10/19/98	428	1.7	727.6	10/23/98				<0.025		<0.034		A
31905	PL-87	LEAD-AIR	10/19/98	478	1.7	812.6	10/23/98				<1.0		<1.2		A
31905	PL-87	BERYLLIUM-AIR	10/19/98	478	1.7	812.6	10/23/98				<0.025		<0.031		A
31906	PL-88-BLANK	LEAD-AIR	10/19/98	N/A	N/A	N/A	10/23/98				<1.0		N/A		A
31906	PL-88-BLANK	BERYLLIUM-AIR	10/19/98	N/A	N/A	N/A	10/23/98				<0.025		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. Whantley

Date: 10/26/98

APPROVED: Mark R. Banister

Date: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
 Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.



USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/OHM Corp (842) 473-1694</u> <sup>(1697) fax</sup>						Sampler's Name <u>Alicia Vanchisin</u>					
Project Name <u>Vacant Lot Site - Vulcan Louisville Smelting Site</u>						Sample Type <u>MCE Cassette</u>					
Site Location <u>1120 Martin Luther King Jr Dr. North Chicago, IL 60064</u>						Analysis Required <u>OGCS (RPA 3PR) &amp; BOD (PL-SAL)</u>					
Delivery Date											
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10-19-98	PL-85	1	0805 1615	490	1733 1706	1.7	833		X	Upwind E. Fence	
	PL-86	2	0810 1514	428	1754 1780	1.7	728	X		Jon Carr # 951354 (Pump Faulted) Stabilizing Soil & Excavating Soil	
	PL-87	3	0815 1613	478	1662 1683	1.7	813		X	N. Fence DW #2	
	PL-88									Blank	
	<del>SPL-19</del>	<del>4</del>	<del>0820 -</del>	<del>-</del>	<del>1715 -</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>NO RECAL (Pump Faulted)</del> <del>E. Fence DW #1 (time unknown)</del>	
	RD-99	5	0820 1620	480	1740 1641	1.7	816		X	E. Fence DW #2	
	<del>RD-100</del>	<del>6</del>	<del>0805 1211</del>	<del>246</del>	<del>1695 -</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>X</del>	<del>NO RECAL. (Barr.) (Pump Faulted)</del> <del>Upwind E. Fence (after 243 min.)</del>	
✓	RD-101	7	0815 1613	478	1718 2594	2.2	1052		X	N. Fence DW #2	

VOID  
10/20/98 TT

VOID  
10/20/98 TT

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Alicia Vanchisin IT, 10/19/98, 1715

Received by Judy Strehler 10-21-98

2. Relinquished by Judy Strehler 10-21-98

Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

Industrial Hygiene  
Field Sampling Data Sheet

Project No. 920892		IT/OHM Corp (847) 473-1694 <sup>1697-fax</sup>				Sampler's Name Alicia Vanchisin			
Project Name Vacant Lot Site - Vulcan Louisville Smelting Site						Sample Type MCE Cassette			
Site Location 1120 Martin Luther King Jr Dr. N. Chicago IL 60664		Delivery Date		Analysis Required 0600 (RD SPR) & 1300 (PL-SPL)					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches
10/19/98	RD-102								BLANK
↓	SPR-19	8	0810 1105	475	1726 2597	2.1 L	998	X	Gene Duckworth # 957644 Dust Suppression

SIGNATURES: (Name, Company, Date and Time)

- Relinquished by Alicia Vanchisin IT, 10/19/98, 17153 Relinquished by \_\_\_\_\_  
Received by Judy Stehler 10-21-98 Received by \_\_\_\_\_
- Relinquished by Judy Stehler 10-21-98 Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_ Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



**UEC**

USX Engineers  
& Consultants, Inc.

October 27, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 21, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 µg
BERYLLIUM-AIR	NIOSH-7300	0.025 µg

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

**USX Engineers & Consultants Inc.**

IH & Environmental Laboratories  
4000 Tech Center Drive  
Monroeville, PA 15146  
PHONE: (412)825-2400 FAX: (412)825-2407  
AIHA Accreditation #322

**REPORT OF TEST RESULTS**

DATE - 10/26/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84223

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
31895	PL-89	LEAD-AIR	10/20/98	456	1.706	777.936	10/23/98				<1.0		<1.3		A
31895	PL-89	BERYLLIUM-AIR	10/20/98	456	1.706	777.936	10/23/98				<0.025		<0.032		A
31896	PL-90	LEAD-AIR	10/20/98	452	1.715	775.18	10/23/98				<1.0		<1.3		A
31896	PL-90	BERYLLIUM-AIR	10/20/98	452	1.715	775.18	10/23/98				<0.025		<0.032		A
31897	PL-91	LEAD-AIR	10/20/98	450	1.716	772.2	10/23/98				<1.0		<1.3		A
31897	PL-91	BERYLLIUM-AIR	10/20/98	450	1.716	772.2	10/23/98				<0.025		<0.032		A
31898	PL-92-BLANK	LEAD-AIR	10/20/98	N/A	N/A	N/A	10/23/98				<1.0		N/A		A
31898	PL-92-BLANK	BERYLLIUM-AIR	10/20/98	N/A	N/A	N/A	10/23/98				<0.025		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. WhartenbyDate: 10/26/98APPROVED: Mark R. BanisterDate: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
# = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/ONM CORP. 847-473-1694 (1697 FAX)</u>										Sampler's Name <u>Tom D. Teets</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MCE FILTER</u>	
Site Location <u>1120 MLK JR DRIVE, NORTH CHICAGO, IL 60664</u>										Delivery Date <u>11/20/98</u>	
Analysis Required <u>NIOSH (ET4SPR) &amp; 7300 (PL4SPL)</u>											
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/20/98	PL-89	1	0920 1656	456	1693 1714	1706	774		X	UW	
	PL-90	2	0940 1712	452	1706 1724	1715	775		X	DW-1	
	PL-91	3	0945 1715	450	1704 1723	1714	772		X	DW-2	
	PL-92									BLANK	
	RD-103	5	0920 1656	456	1696 1684	1692	771		X	UW	
	RD-104	7	0940 1712	452	1699 1717	1704	772		X	DW-1	
	RD-105	8	0945 1715	450	1701 1739	1720	774		X	DW-2	
	RD-106									BLANK	

## SIGNATURES: (Name, Company, Date and Time)

- Relinquished by Tom D. Teets, IT/ONM, 10/20/98  
Received by July Strahler 10-21-98
- Relinquished by July Strahler 10-21-98  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_
- Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu\text{g}$
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu\text{g}$

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84250

UFC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
32071	PL-93	LEAD-AIR	10/21/98	420	1.721	722.82	10/27/98				<1.0		<1.4		A
32071	PL-93	BERYLLIUM-AIR	10/21/98	420	1.721	722.82	10/27/98				<0.025		<0.035		A
32072	PL-94	LEAD-AIR	10/21/98	419	1.715	718.585	10/27/98				<1.0		<1.4		A
32072	PL-94	BERYLLIUM-AIR	10/21/98	419	1.715	718.585	10/27/98				<0.025		<0.035		A
32073	PL-95	LEAD-AIR	10/21/98	420	1.719	721.98	10/27/98				<1.0		<1.4		A
32073	PL-95	BERYLLIUM-AIR	10/21/98	420	1.719	721.98	10/27/98				<0.025		<0.035		A
32074	PL-96-BLANK	LEAD-AIR	10/21/98	N/A	N/A	N/A	10/27/98				<1.0		N/A		A
32074	PL-96-BLANK	BERYLLIUM-AIR	10/21/98	N/A	N/A	N/A	10/27/98				<0.025		N/A		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST : Richard A. Wharton

Date: 10/28/98

APPROVED: Mark R. Banister

Date: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
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USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. 920892 IT/CM Corp. (647) 473-1694 (1697 FAX)										Sampler's Name TOM D. TEETS	
Project Name VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE										Sample Type MCE FILTER CASSETTE	
Site Location 1120 MARTIN LUTHER KING JR. DRIVE, NORTH CHICAGO, IL 60664					Delivery Date		Analysis Required 0600 (RD) & 7300 (PL)				
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/21/98	PL-93	1	0950	420	1670 1772	1721	723	X	UW		
	PL-94	2	0930	419	1692 1734	1715	718	X	DW-1		
	PL-95	3	0935	420	1696 1742	1719	722	X	DW-2		
	PL-96								BLANK		
	RD-107	5	0950	420	1685 1729	1707	717	X	UW		
	RD-108	7	0930	419	1693 1693	1693	709	X	DW-1		
	RD-109	8	0935	420	1703 1687	1695	712	X	DW-2		
✓	RD-110								BLANK		

## SIGNATURES: (Name, Company, Date and Time)

- Relinquished by Todd D. Teets, IT/CM, 10-21-98 3. Relinquished by \_\_\_\_\_  
Received by Judy Stehler 10-23-98 Received by \_\_\_\_\_
- Relinquished by Judy Stehler 10-23-98 4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_ Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**

USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 23, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu$ g

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/28/1998

PAGE - 1

Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84251

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
32079	PL-97	LEAD-AIR	10/22/98	423	1.696	717.408	10/27/98				<1.0		<1.4		A
32079	PL-97	BERYLLIUM-AIR	10/22/98	423	1.696	717.408	10/27/98				<0.025		<0.035		A
32080	PL-98	LEAD-AIR	10/22/98	429	1.688	724.152	10/27/98				<1.0		<1.4		A
32080	PL-98	BERYLLIUM-AIR	10/22/98	429	1.688	724.152	10/27/98				<0.025		<0.035		A
32081	PL-99	LEAD-AIR	10/22/98	442	1.706	754.052	10/27/98				<1.0		<1.3		A
32081	PL-99	BERYLLIUM-AIR	10/22/98	442	1.706	754.052	10/27/98				<0.025		<0.033		A
32082	PL-100-BLANK	LEAD-AIR	10/22/98	N/A	N/A	N/A	10/27/98				<1.0		N/A		A
32082	PL-100-BLANK	BERYLLIUM-AIR	10/22/98	N/A	N/A	N/A	10/27/98				<0.025		N/A		A
32083	SPL-19	LEAD-AIR	10/22/98	438	1.698	743.724	10/27/98				<1.0		<1.3		A
32083	SPL-19	BERYLLIUM-AIR	10/22/98	438	1.698	743.724	10/27/98				<0.025		<0.034		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST: Richard A. Whartley Date: 10/28/98  
 APPROVED: Mark R. Banister Date: 10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than. A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE  
 # = Information not requested by client. N/A = Not Applicable. B - TUBE D - BULK MATERIALS OR WIPES I - FILTER + TUBE  
 Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

**USX Engineers & Consultants, Inc.**

4000 Tech Center Drive, MS-15, Monroeville, PA 15146

(412) 825-2400 Fax: (412) 825-2407

**Industrial Hygiene  
Field Sampling Data Sheet**

Project No. <u>980892 IT/OMM Corp</u> <u>847-473-1694</u> <span style="float:right">(1697 FAX)</span>								Sampler's Name <u>TODD D. TEETS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>MCE FILTER CASSETTE</u>			
Site Location <u>1120 MILK JR. DRIVE, NORTH CHICAGO, IL. 60064</u>						Delivery Date <u>0600 (RD+SPR) + 7300 (PL+SP)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
<u>10/22/98</u>	<u>PL-97</u>	<u>1</u>	<u>0945 1648</u>	<u>423</u>	<u>1687 1704</u>	<u>1696</u>	<u>717</u>		<u>Y</u>	<u>UW</u>	
	<u>PL-98</u>	<u>2</u>	<u>0940 1649</u>	<u>429</u>	<u>1675 1700</u>	<u>1688</u>	<u>724</u>		<u>X</u>	<u>DW-1</u>	
	<u>PL-99</u>	<u>3</u>	<u>0950 1712</u>	<u>442</u>	<u>1679 1732</u>	<u>1706</u>	<u>754</u>		<u>X</u>	<u>DW-2</u>	
	<u>PL-100</u>									<u>BLANK</u>	
	<u>SPL-19</u>	<u>4</u>	<u>0955 1713</u>	<u>438</u>	<u>1679 1716</u>	<u>1698</u>	<u>743</u>	<u>Y</u>		<u>JOHNNY HESTER - EXCAVATING CREEK EMP# 957803</u>	
	<u>RD-111</u>	<u>5</u>	<u>0950 1648</u>	<u>423</u>	<u>1704 1774</u>	<u>1739</u>	<u>735</u>		<u>Y</u>	<u>UW</u>	
	<u>RD-112</u>	<u>6</u>	<u>0940 1649</u>	<u>429</u>	<u>1703 1808</u>	<u>1756</u>	<u>753</u>		<u>Y</u>	<u>DW-1</u>	
<u>↓</u>	<u>RD-113</u>	<u>7</u>	<u>0945 1712</u>	<u>442</u>	<u>1704 1756</u>	<u>1730</u>	<u>765</u>		<u>Y</u>	<u>DW-2</u>	

**SIGNATURES: (Name, Company, Date and Time)**

- |  |   |
|--|---|
| 1. Relinquished by <u>TODD D. TEETS, IT/OMM, 10-22-98</u><br>Received by <u>John Strahler 10-23-98</u> | Relinquished by _____<br>Received by _____    |
| 2. Relinquished by <u>John Strahler 10-23-98</u><br>Received by _____                                  | 4. Relinquished by _____<br>Received by _____ |

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

**USX Engineers & Consultants, Inc.**

4000 Tech Center Drive, MS-15, Monroeville, PA 15146

(412) 825-2400 Fax: (412) 825-2407

**Industrial Hygiene  
Field Sampling Data Sheet**

Project No. <u>920892 IT/OHM Corp. 847-473-1694 (1697 FAX)</u>								Sampler's Name <u>TODD P. TEETS</u>			
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>								Sample Type <u>MCE FILTER CASSETTE</u>			
Site Location <u>1120 MLK-JR. DRIVE, NORTH CHICAGO, IL. 60064</u>								Delivery Date <u>0600 (RD+SPR) &amp; 7300 (PL+SP)</u>			
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
<u>10/22/98</u>	<u>RD-114</u>								<u>BLANK</u>		
<u>10/22/98</u>	<u>SPR-20</u>	<u>8</u>	<u>0955 1713</u>	<u>438</u>	<u>1694 1741</u>	<u>1719</u>	<u>752</u>	<u>X</u>	<u>JOHNNY HESTER - EXCAVATING CREEK EMP.# 957803</u>		

**SIGNATURES: (Name, Company, Date and Time)**

 1. Relinquished by Todd P. Teets, 10/22/98 3. Relinquished by \_\_\_\_\_

 Received by Judy Strubler 10-23-98 Received by \_\_\_\_\_

 2. Relinquished by Judy Strubler 10-23-98 4. Relinquished by \_\_\_\_\_

Received by \_\_\_\_\_ Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

4000 Tech Center Drive  
Monroeville, PA 15146  
412 825 2400  
Fax: 412 825 2407

IH & Environmental  
Health Laboratory



**UEC**  
USX Engineers  
& Consultants, Inc.

October 28, 1998

IT Corporation  
ATTN: Todd Teets  
1120 Martin Luther King Dr.  
North Chicago, IL 60064

Attached are the analytical result(s) of the analysis on sample(s) submitted to the UEC Laboratories on October 26, 1998. Should you have any questions regarding this report, please contact us. An invoice will be issued shortly.

These results are submitted pursuant to USX Engineers & Consultants, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions, and no responsibility or liability is assumed for the manner in which the results are used or interpreted.

The results were derived with the following methods and limits of detection.

ANALYTE	METHOD	LOD
LEAD-AIR	NIOSH-7300	1.0 $\mu$ g
BERYLLIUM-AIR	NIOSH-7300	0.025 $\mu$ g

We appreciate the opportunity to be of service and look forward to our continued assistance to you.

NOTE: Samples will be stored for only one month following the report date.

Sincerely,

*Mark R. Banister*

Mark R. Banister, CIH, Quality Assurance Officer

Enclosures

# USX Engineers & Consultants Inc.

IH & Environmental Laboratories  
 4000 Tech Center Drive  
 Monroeville, PA 15146  
 PHONE: (412)825-2400 FAX: (412)825-2407  
 AIHA Accreditation #322

## REPORT OF TEST RESULTS

DATE - 10/28/1998

PAGE - 1

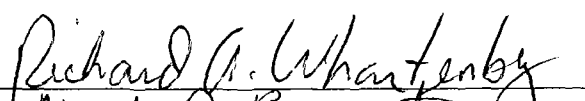
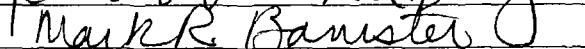
Customer: CD-448B	ATTENTION: Todd Teets
IT Corporation 1120 Martin Luther King Dr.  North Chicago, IL 60064	Work Requested by : Todd Teets Phone No. : 847-473-1693  CUSTOMER P.O. # : 920892 SITE LOCATION : VACANT LOT SITE-VULCAN LOUISVILLE SMEL

TRACKING NUMBER: 84273

UEC ID	CLIENT ID	ANALYTE	DATE SAMPLED	SAMPLE TIME (min)	PUMP RATE (LPM)	AIR VOL. SAMPLED (L)	ANALYSIS DATE	TOTAL mg	PPM	mg/m3	TOTAL µg	PPB	µg/m3	TWA µg/m3	
32180	PL-101	LEAD-AIR	10/23/98	420	1.744	732.48	10/27/98				<1.0		<1.4		A
32180	PL-101	BERYLLIUM-AIR	10/23/98	420	1.744	732.48	10/27/98				<0.025		<0.034		A
32181	PL-102	LEAD-AIR	10/23/98	420	1.71	718.2	10/27/98				<1.0		<1.4		A
32181	PL-102	BERYLLIUM-AIR	10/23/98	420	1.71	718.2	10/27/98				<0.025		<0.035		A
32182	PL-103	LEAD-AIR	10/23/98	421	1.685	709.385	10/27/98				<1.0		<1.4		A
32182	PL-103	BERYLLIUM-AIR	10/23/98	421	1.685	709.385	10/27/98				<0.025		<0.035		A
32183	PL-104-BLANK	LEAD-AIR	10/23/98	N/A	N/A	N/A	10/27/98				<1.0		N/A		A
32183	PL-104-BLANK	BERYLLIUM-AIR	10/23/98	N/A	N/A	N/A	10/27/98				<0.025		N/A		A
32184	SPL-20	LEAD-AIR	10/23/98	423	1.711	723.753	10/27/98				<1.0		<1.4		A
32184	SPL-20	BERYLLIUM-AIR	10/23/98	423	1.711	723.753	10/27/98				<0.025		<0.035		A

COMMENTS: RESULTS ARE BLANK CORRECTED.

ANALYST :

Date:

10/28/98

APPROVED:

Date:

10/28/98

Mark R. Banister, CIH, Quality Assurance Officer

NOTES: \* = Information not supplied by client. < = less than.

# = Information not requested by client. N/A = Not Applicable. B - TUBE

Time, flow rate and/or sample volume data are based on client supplied information, unless otherwise noted.

A - FILTER OR SINGLE STAGE MONITOR C - TUBE OR 2 STAGE MONITOR E - LIQUIDS OR SOLIDS J - FILTER + TUBE

D - BULK MATERIALS OR WIPES I - FILTER + TUBE

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>920892 IT/CAV (COP. (847) 473-1694 (1697 FAX)</u>										Sampler's Name <u>TODD D. TERTS</u>	
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>										Sample Type <u>MOCK FILTER CASSETTE</u>	
Site Location <u>1120 MLK JR. DRIVE NORTH CHICAGO, IL 60664</u>										Analysis Required <u>0600 (RD+SPR) &amp; 7300 (PL+SP)</u>	
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
10/23/98	PL-101	1	10:05 1705	420	1694 1794	1744	732		X	UW	
	PL-102	2	10:10 1710	420	1700 1720	1710	718		X	DW-1	
	PL-103	3	10:20 1721	421	1697 1673	1685	709		X	DW-2	
	PL-104									BLANK	
	SP-20	4	10:15 1718	423	1699 1722	1711	723	X		JOHNNY WESTER - EXCAV. CREEK EMP # 957803	
	RD-115	5	10:05 1705	420	1699 1679	1689	709		X	UW	
	RD-116	6	10:10 1710	420	1706 1730	1718	721		X	DW-1	
	RD-117	7	10:20 1721	421	1691 1709	1700	716		X	DW-2	

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd Terts, 10/23/98  
Received by John Strehler 10-26-98

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

2. Relinquished by John Strehler 10-26-98  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_

USX Engineers & Consultants, Inc.  
4000 Tech Center Drive, MS-15, Monroeville, PA 15146  
(412) 825-2400 Fax: (412) 825-2407

# Industrial Hygiene Field Sampling Data Sheet

Project No. <u>940892</u> <u>15/04M Corp. (447) 473-1694</u> <u>(1697 FAX)</u>						Sampler's Name <u>TEOD D. TEETS</u>					
Project Name <u>VACANT LOT SITE - VULCAN LOUISVILLE SMELTING SITE</u>						Sample Type <u>MCE FILTER CASSETTE</u>					
Site Location <u>1120 MLK JR. DRIVE, NORTH CHICAGO, IL 60064</u>						Delivery Date <u>10/23/98</u> Analysis Required <u>DLCD (RD+SPR) + 7300 (PL+ SPL)</u>					
Sampling Date	Sample Number	Pump Number	Time Start/Finish	Total Mins.	Flow Rate Start/Finish	Avg. Flow	Vol Liters	Type Pers/Area	Name - Social Security Number and/or Comments and Sketches		
<u>10/23/98</u>	<u>RD-118</u>								<u>BLANK</u>		
<u>↓</u>	<u>SPR-20</u>	<u>6</u>	<u>10:15</u> <u>1718</u>	<u>423</u>	<u>1704</u> <u>1721</u>	<u>1713</u>	<u>725</u>	<u>X</u>	<u>JONNIE HESTER - EXCAV. CREEK</u> <u>EMP# 957803</u>		

## SIGNATURES: (Name, Company, Date and Time)

1. Relinquished by Todd D. Teets, 15/04M, 10/23/98  
Received by Judy Strehler 10-26-98

2. Relinquished by Judy Strehler 10-26-98  
Received by \_\_\_\_\_

3. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

4. Relinquished by \_\_\_\_\_  
Received by \_\_\_\_\_

Final Report to: \_\_\_\_\_

Invoice to: \_\_\_\_\_



## **APPENDIX L**

### **WEEKLY STATUS REPORTS**

**RAPID RESPONSE  
WEEKLY REPORT****APID  
RESPONSE ➤**Project Name: *Vacant Lot*For Week Ending: *August 2, 1998*Project Location: *North Chicago, IL*Report No: *001*Page */*Name: *Thomas W. Warren*Title: *Project Manager*Company Name & Address: *OHM/IT 1334 Enterprise Drive Romeoville, IL 60446*Telephone No: *(630) 759-9540*Telefax No: *(630) 759-5518*Reporting Period: *July 27, 1998 to August 2, 1998*Percent Field Work Completed *0* %Percent Project Completed *5* %Summary of Work Completed On-Site: *No work performed on-site this week.*Summary of Work Completed Off-Site: *1. Finalized and submitted draft project plans.**2. Completed negotiation of delivery order. 3. Pre-mobilization planing*

Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):

*none to report*Problems Encountered: *None to report*Recommendations: *None to report*Key Personnel Changes: *None to report*Work Anticipated to be Performed the Following Week: *1. Mobilization of personnel, equipment and supplies.**2. Site set up. 3. Begin clearing and grubbing.*

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**RAPID RESPONSE  
WEEKLY REPORT**

**APID  
RESPONSE ➤**

Project Name: *Vacant Lot*

For Week Ending: *August 2, 1998*

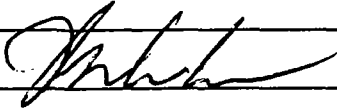
Project Location: *North Chicago, IL*

Report No: *001*

Page *2*

Other Remarks: *None*

Signature:



# APID RESPONSE

Project Name: <i>Vacant Lot</i>		For Week Ending: <i>August 9, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>002</i>	Page <i>1</i>
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>August 3, 1998 to August 9, 1998</i>			
Percent Field Work Completed <i>.5 %</i>		Percent Project Completed <i>.8 %</i>	
Summary of Work Completed On-Site: <i>1. 1-office and 1-decontamination trailer delivered and set up. 2. Place geotech fabric and road base for support area. 3. Began fence installation. 4. completed pre-excavation sampling and submitted samples to laboratory. 5. Began clearing and grubbing for fence installation. 6. Utility locator service (JULIE) identified underground utilities. 7. Conducted site walk with Elgin, Joliet and Eastern Railway to establish railroad property line.</i>			
Summary of Work Completed Off-Site: <i>1. Finalized and resubmitted final cost proposal. 2. Procurement of bcontractors and materials.</i>			
Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): <i>1. At USACE request added a double swing gate on commonwealth avenue. Both swing gate changed from 20' to 30' width, 2. Moved location of fence on north side of property to keep fence off of railroad property. 3. Instructed by USACE to remove all trees from the site including the trees along the creek. The large trees along the creek were not anticipated to be removed during the first phase.</i>			
Problems Encountered: <i>1. Parking for EMCO Chemical on Commonwealth Avenue had to be eliminated during the installation of the fence and grubbing in this area.</i>			
Recommendations: <i>1. Obtain GPS coordinates from EPA to tie in OHM grid with the EECA grids.</i>			
Key Personnel Changes: <i>None to report.</i>			
Work Anticipated to be Performed the Following Week: <i>1. Continue site set up. 2. Install electric and phone service. 3. Continue clearing and grubbing. 4. Delivery of excavator, truck scales water truck, 2nd office trailer and storage container.</i>			

# RAPID RESPONSE ➤

Project Name: *Vacant Lot*

For Week Ending: *August 9, 1998*

Project Location: *North Chicago, IL*

Report No: *002*

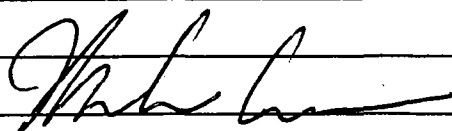
Page *2*

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

Other Remarks: *None*

Signature:



# RAPID RESPONSE ➤

Project Name: <i>Vacant Lot</i>		For Week Ending: <i>August 16, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>003</i>	Page <i>/</i>
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>August 10, 1998 to August 16, 1998</i>			
Percent Field Work Completed <u>3</u> %		Percent Project Completed <u>5</u> %	
Summary of Work Completed On-Site: <i>1. All office trailers, decontamination and storage trailer in place. 2. Clearing and grubbing and stockpiling of timber continued. 3. Electrical and phone service supplied to the trailers. 4. Completed support zone set up. 5. Continued resource and procurement of subcontractors and supplies. 6. Generated a plan for installing a truck crossing over the creek. 7. Completed the pre-construction meeting. 8. Completed installation of fence.</i>			
Summary of Work Completed Off-Site: <i>1. Contingency plan support documentation generated and forwarded to site. Procurement support for T&amp;D and other subcontractors and materials.</i>			
Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): <i>1. The clearing and grubbing of large trees along the creek will be a negative impact the schedule and budget. The first phase clearing and grubbing did not include the large trees along the creek. 2. Site set up has taken longer than expected and exceeded the budget. The estimate did not include enough personnel time to accomplish site set up.</i>			
Problems Encountered: <i>1. The project accountant did not have previous Rapid Response experience or experience mobilizing a new project. This was a negative impact on material and equipment sourcing and put a large burden on the site superintendent during site set up activities. 2. Received analytical data from 4 grids that indicate the grids exceed TCLP limits and soil will be considered RCRA. OHM will perform a cost analysis to determine if on-site stabilization will be cost effective as opposed to shipping material to a RCRA facility for stabilization and disposal.</i>			
Recommendations: <i>None to report.</i>			
Key Personnel Changes: <i>The project accountant as removed from the project and will be replaced with an accountant that has Rapid Response experience.</i>			
Work Anticipated to be Performed the Following Week: <i>1. Continue clearing and grubbing. Install decontamination pad. 3. Install truck crossing over the creek. 4. Begin soil sampling to identify the PCB area. 5. Begin baseline air monitoring.</i>			

**RAPID**

**RESPONSE ➤**

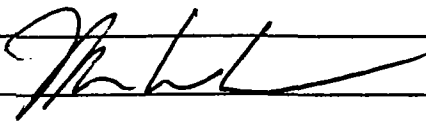
Project Name: <i>Vacant Lot</i>	For Week Ending: <i>August 16, 1998</i>	
Project Location: <i>North Chicago, IL</i>	Report No: <i>003</i>	Page <i>2</i>

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

Other Remarks: *None*

Signature:



# RAPID RESPONSE

Project Name: <i>Vacant Lot</i>		For Week Ending: <i>August 23, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>004</i>	Page <i>/</i>
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>August 17, 1998 to August 23, 1998</i>			
Percent Field Work Completed <u>5</u> %		Percent Project Completed <u>2</u> %	
Summary of Work Completed On-Site: <i>1. Additional mobilization of 1 operator and 1 technician. 2. Completed clearing and grubbing and removal of timber from creek. 3. Installed silt fence in creek. 4. Installed decontamination pad. 5. Truck scales arrived on-site. 6. Creek crossing 90% completed. 7. Baseline air monitoring completed.</i>			
Summary of Work Completed Off-Site: <i>1. Transportation and disposal procurement continued. 2. Prepared and submitted T&amp;D consent packages. 3. Draft manifest was submitted for USACE review. 4. Forms submitted to obtain an EPA generators ID number.</i>			

Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): <i>1. The installation of the creek crossing was a larger effort than anticipated. Following clearing and grubbing, the area across the creek was larger than apparent at the site visit.</i>
Problems Encountered: <i>None to report.</i>
Recommendations: <i>None to report.</i>
Key Personnel Changes: <i>The new project accountant arrived on-site.</i>
Work Anticipated to be Performed the Following Week: <i>1. Begin chipping of the clearing and grubbing material. 2. Continue soil sampling to identify the PCB area. 3. Begin excavation and stockpiling of soil.</i>



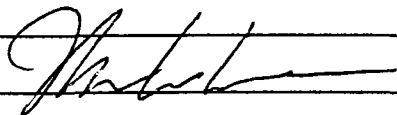
**RAPID****RESPONSE** ➤Project Name: *Vacant Lot*For Week Ending: *August 23, 1998*Project Location: *North Chicago, IL*Report No: *004*Page *2*

Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

Other Remarks: *None*

Signature:



# RAPID RESPONSE ➤

Project Name: <i>Vacant Lot Site</i>		For Week Ending: <i>August 30, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>005</i>	Page
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>August 24, 1998 to August 30, 1998</i>			
Percent Field Work Completed <u>15</u> %		Percent Project Completed <u>20</u> %	
<p><b>Summary of Work Completed On-Site:</b> 1.) Began soil excavation. Approximately 2,071 cubic yards excavated which averages out to be 414 cubic yards per day. 2.) Soil was stockpiled on-site and covered with visqueen. 3.) Approximately 25 cubic yards of the total excavated came from outside the chain link fence along Martin Luther King Jr. Drive. 4.) Verification samples taken of the three grids and the area excavated outside of the fence. 5.) The bridge across Pettibone creek was completed with the installation of 2-60" culvert pipes. 6.) Topped off the installed bridge with compactable road mix stone. 7.) Provided traffic control during the excavation activities outside the fence area. 8.) Swept the street and washed it down with the water truck. 9.) Started the chipping activities of all timber and brush that is 12" or less in diameter. 10.) Perimeter and personal air monitoring continued. 11.) Continued site security.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Transportation and disposal procurement continued. 2.) Analysis of the verification samples, PCB samples, and air monitoring samples continues.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> None at this time.</p>			
<p><b>Problems Encountered:</b> 1.) Excavation was held up for 1 day waiting for quantitative fit testing equipment to arrive. 2.) The chipping activity is having problems with chipping timber that may only be 10" in diameter, because each limb, dimensionally shaped with twists and bends will feed into the machine differently, some at an angle causing the chipper to bind up. The machine sees the cross section of the timber which may be 12" or more. 3.) Encountered a utility line during the excavation outside the fence line. 4.) The chipping of brush and small trees will extend several days longer than scheduled due to the volume and having to wait from time to time for us to free up a piece of equipment to push more timber to them. 5.) Excavating outside of the fence line went a little slower due to having to excavate around a utility line, excavating around the newly installed fence post foundations, and along the side of a roadway on the side walk.</p>			
<p><b>Recommendations:</b> 1.) Recommend that chipping crew work longer hours to complete the chipping activities.</p>			
<p><b>Key Personnel Changes:</b> 1.) An operator and a laborer were mobilized to the job site. 2.) The laborer was demobilized from the job.</p>			

**RAPID  
RESPONSE** ➤Project Name: *Vacant Lot Site*For Week Ending: *August 30, 1998*Project Location: *North Chicago, IL*Report No: *005*

Page

Work Anticipated to be Performed the Following Week: 1.) Continue soil sampling, verification, and to delineate the PCB area. 2.) Continue excavation and stockpiling of soil. 3.) Begin backfilling activities. 4.) Continue Perimeter and personal air monitoring. 5.) Make preparations for the Holiday week end. 6.) Continue site security. 7.) Complete the chipping activities. 8.) Continue with transportation and disposal arrangements.

## Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

Other Remarks: *None at this time.*Signature: 

# RAPID RESPONSE ➤

Project Name: <i>Vacant Lot</i>		For Week Ending: <i>September 6, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>006</i>	Page <i>1</i>
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT, 1334 Enterprise Drive, Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>August 31, 1998 to September 6, 1998</i>			
Percent Field Work Completed <u>20</u> %		Percent Project Completed <u>25</u> %	
<p><b>Summary of Work Completed On-Site:</b> 1.) Continued the soil excavation of Non-Haz soils. Continued stockpiling the excavated soils and covering them with visqueen. 2.) Continued with the verification samples. 3.) Stopped the chipping activities on the 31<sup>st</sup> of August with plans of bringing in a tub grinder that would be capable of chipping everything. (Large timber and stumps also) 4.) Brought a tub grinder onto the site, set it up, and continued chipping activities.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1. Transportation and disposal procurement continued.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) The chipping operations with the tub grinder had to be shut down due to safety reasons Due to the Holiday week end, the chipping activities would resume on Friday the 4<sup>th</sup> when nobody would be around and planning on better weather conditions. 2.) The chipping activities, with the tub grinder, was extended into next week due to the volume of timber, stumps being part of this also. 3.) Backfilled the west side of the property with approximately 1,335 cubic yards. (grids 1, 2, and 3.) 4.) The crew was demobilized for the Holiday week end, which was never included in the estimate or the work plan.</p>			
<p><b>Problems Encountered:</b> 1.) The tub grinder created a safety hazard, due to flying debris. . It was chucking pieces of wood, the size of soft balls, all around the support zone in addition to the south side roadway because of the wind.</p>			
<p><b>Recommendations:</b> (Safety Concern) Shut down the tub grinder until there is less site activities and the wind direction is more favorable. Since this week end is the beginning of a Holiday week end and Friday is planned as a demobilization day, the chipping could be done, with absolute control limiting the personnel on site and anticipating better weather conditions.</p>			
<p><b>Key Personnel Changes:</b> Short one operator for one day.</p>			
<p><b>Work Anticipated to be Performed the Following Week:</b> 1.) Complete the chipping activities, stumps and all. 2.) Continue excavation and stockpiling of soil. 3.) Continue soil sampling to identify the PCB area. 4.) Start the transportation and disposal activities for the Non-Haz soils.</p>			

# RAPID RESPONSE ➤

Project Name: *Vacant Lot*

For Week Ending: *September 6, 1998*

Project Location: *North Chicago, IL*

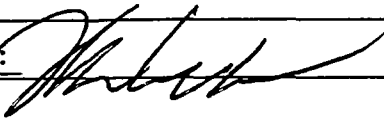
Report No: *006*

Page *1*

## Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

Other Remarks: *The on-site USACE representative directed us to demobe on Friday the 4<sup>th</sup> and use Tuesday the 8<sup>th</sup> a remobilization day.*

Signature: 

# RAPID RESPONSE

Project Name: <i>Vacant Lot</i>		For Week Ending: <i>September 13, 1998</i>	
Project Location: <i>North Chicago, IL</i>		Report No: <i>007</i>	Page <i>1</i>
Name: <i>Thomas W. Warren</i>		Title: <i>Project Manager</i>	
Company Name & Address: <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
Telephone No: <i>(630) 759-9540</i>		Telefax No: <i>(630) 759-5518</i>	
Reporting Period: <i>September 7, 1998 to September 13, 1998</i>			
Percent Field Work Completed <u>25</u> %		Percent Project Completed <u>30</u> %	
<p>Summary of Work Completed On-Site: 1.) Continued to excavate Non-Haz soils this week, having excavated 910 cubic yards. 2.) Continued to stockpile the excavated soils and cover with visqueen. 3.) Additional backfill was delivered to fill in additional areas on the west side of the creek. 4.) Continued to delineate the PCB contaminated area by additional sampling. An auger was brought in and returned to aid in this sampling. 5.) Completed the chipping activities, utilizing a tub grinder which was also capable of handling the large trees and the stumps. 6.) Relocated the wood chips from the support area to the west side of the creek, to be used as a road bed. 7.) Received and installed jersey barriers on the bridge, then returned the lifting tool to the supplier. 8.) Continued to procure a trucking company to transport the Non-Haz soils to the approved landfill. 9.) Demobilized the crew until the transportation arrangements could be finalized. 10.) The project supervisor and accountant remained on site to coordinate the mobilization plus remobilization, track costs, and generate the necessary paperwork needed to keep the project functional, at no cost to the government. 11.) Tuesday, the 8<sup>th</sup> was a travel day due to the Holiday weekend. 12.) Continued perimeter and personal air monitoring. 13.) Down graded the level of protection on the west side of Pettibone creek from level "C" to level "D". 14.) Continued with site security.</p>			
Summary of Work Completed Off-Site: <i>1.) Transportation and disposal procurement continued.</i>			
Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): <i>1.) Holidays were never budgeted into the estimate or the work plan.</i>			
Problems Encountered: <i>1.) The transportation company sent trucks to the site that did not have backup alarms, not all of the drivers were properly equipped with the proper work attire, and one of the drivers couldn't speak or understand english. These trucks were turned away with out loading. Also identified that the trucking company had not signed the contract and required a personal guarantee for payment from an OHM/IT employee. OHM/IT legal department will not accept that and process started to contract with the next bidder. 2.) USACE on-site representative shut the job down until trucks can be provided. No work performed on Friday or over the weekend.</i>			
Recommendations: <i>None at this time.</i>			
Key Personnel Changes: <i>An extra person, foreman type, was brought in to assist with supporting the operational activities, and assisting with the site administrative requirements.</i>			

**RAPID  
RESPONSE** ➤Project Name: *Vacant Lot*For Week Ending: *September 13, 1998*Project Location: *North Chicago, IL*Report No: *007*Page *1*

Work Anticipated to be Performed the Following Week: 1.) Complete excavating the Non-Haz soils and start excavating the Haz soils. 2.) Continue stockpiling the excavated soils. 3.) Continue post excavation, verification sampling 4.) Start the transportation and disposal activities for the Non-Haz soils. 5.) Obtain the permit to access the railroad property. 6.) Delineate the PCB contaminated area per the sampling results. 7.) RMT Inc. will be on-site to obtain treatability samples for stabilization of TCLP lead with phosphate. 8.) Continue the perimeter and personal air monitoring as needed.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 3,872 cubic yards of Non-Haz soils have been excavated and stockpiled to date. Directed by USACE to obtain a price from RMT Inc. for stabilization.

Signature: 





# RAPID RESPONSE ➤

Project Name: *Vacant Lot*For Week Ending: *September 26, 1998*Project Location: *North Chicago, IL*Report No: *009*Page *1*

**Problems Encountered:** 1.) OHM's excavator was down for 1 day due to a fuel pump failure while tracking along the creek bed. A tow truck was necessary to assist in the removal of the excavator due to the excavator sinking into soft ground while waiting for the service mechanic to get the machine running. The costs associated with removing and repairing the excavator were not charged to the government. 2.) The maximum amount of trucks provided by the transporter on a daily basis was seven. For the majority of the week only six trucks were running on a daily basis. On Saturday only 3 trucks were available. OHM is making arrangements to contract with another transporter. 2.) OHM will identify demobilization costs and weekly cost to have the site shut down temporarily should funding become an issue. USACE should know next week if funding will be an issue. The potential increase in soil quantities and stabilization of potentially 30,000 cubic yards of TCLP lead soil is driving the funding short fall.

**Recommendations:** *None at this time.*

**Key Personnel Changes:** *No key personnel changes took place.*

Work Anticipated to be Performed the Following Week: 1.) Continue to excavate and stockpile TCLP lead soils. 2.) Continue post excavation, verification sampling 3.) Continue the transportation and disposal activities for the non-hazardous soils. 4.) Award purchase order with RMT Inc. so stabilization can begin the following week. 5.) Continue the perimeter and personal air monitoring as required. 6.) Begin process to downgrade the excavation activities based on air monitoring results. 7.) Award purchase order for new transporter for the transportation of non-hazardous soil. 8.) Continue the backfill of areas as acceptable analytical results are received.

## Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

# **RAPID RESPONSE** ➤

**Project Name:** *Vacant Lot*

**For Week Ending:** *September 26, 1998*

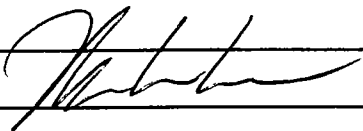
**Project Location:** *North Chicago, IL*

**Report No:** *009*

**Page** *1*

**Other Remarks:** *1.) To date 4,869 bank cubic yards of non-hazardous soils have been excavated and stockpiled.  
2.) To Date 2,800 cubic yards of TCLP soil have been excavated and stockpiled. 3. To date 3,888 cubic yards of non-hazardous soils have been transported to the BFI landfill in Zion, IL.*

**Signature:**



**RAPID****RESPONSE** ➤

<b>Project Name:</b> <i>Vacant Lot</i>		<b>For Week Ending:</b> <i>October 03, 1998</i>	
<b>Project Location:</b> <i>North Chicago, IL</i>		<b>Report No:</b> <i>010</i>	<b>Page</b> <i>1</i>
<b>Name:</b> <i>Thomas W. Warren</i>		<b>Title:</b> <i>Project Manager</i>	
<b>Company Name &amp; Address:</b> <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
<b>Telephone No:</b> <i>(630) 759-9540</i>		<b>Telefax No:</b> <i>(630) 759-5518</i>	
<b>Reporting Period:</b> <i>September 27, 1998 to October 03, 1998</i>			
<b>Percent Field Work Completed</b> <i>49 %</i>		<b>Percent Project Completed</b> <i>45 %</i>	
<p><b>Summary of Work Completed On-Site:</b> 1.) Excavated approximately 1,450 bank cubic yards of TCLP lead soil from Grid numbers 13, 14, 15, 16 and 17. 2.) Completed post excavation verification soil sampling in grids 13 through 16. Grids 13, 14 and 15 are confirmed below clean-up levels. Grids 16 will require additional excavation and grid 17 requires sampling. 3.) Awarded transportation purchase order to Jack Gray Trucking for non-hazardous soil transportation to BFI Landfill in Zion, IL. 4.) Awarded purchase order to RMT Inc. to provide technical support during stabilization of lead soil with a RMT Inc. proprietary phosphate reagent. Also awarded purchase order to American Minerals Inc. to supply the phosphate reagent. 5.) Completed the soil sampling of the creek banks. 6.) Conducted preparatory inspection for the phosphate stabilization operation. 7.) Performed backfilling in Grids 10, 11, 12 and 13. 8.) Completed the transportation and disposal of stockpiled non-hazardous soil to the BFI landfill in Zion, IL. Transported 78 truckloads this week.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) Transportation of non-hazardous soils by Rocks-Ann Trucking and disposal services by BFI Landfill in Zion IL.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) No work was performed over the weekend. It was decided to furlough the crew while final arrangements are made for the delivery of the phosphate stabilization material. The crew is scheduled to return on Monday, October 5, 1998.</p>			
<p><b>Problems Encountered:</b> 1.) No major problems were encountered.</p>			
<p><b>Recommendations:</b> <i>None at this time.</i></p>			
<p><b>Key Personnel Changes:</b> Added a General Foreman to the crew to allow the superintendent to keep up with the Daily Contractors Quality Control Reports and Daily Work Orders. The General Foreman will also coordinate the stabilization effort. The General Foreman is Cedric Burkett and he has previous Rapid Response experience.</p>			

**RAPID****RESPONSE** ➤**Project Name:** Vacant Lot**For Week Ending:** October 03, 1998**Project Location:** North Chicago, IL**Report No:** 010**Page** 4 2

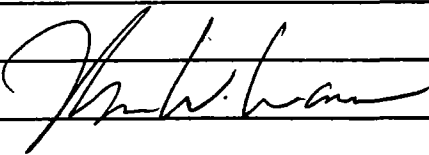
**Work Anticipated to be Performed the Following Week:** 1.) Begin excavation and stockpiling of soil from the PCB area. 2.) Continue post excavation, verification sampling 3.) Continue re-excavation of grid 16 and 17 if necessary. 4.) Receive 2 tons of phosphate material and stabilize a test batch. Obtain a sample of stabilized material and submit to laboratory for waste disposal analysis. 5.) Continue the perimeter and personal air monitoring as required. 6.) Begin receiving phosphate material and begin stabilization of TCLP lead soil. Approximately 9,200 tons of TCLP soil are stockpiled and ready for stabilization. 7.) Continue the backfill of areas as acceptable analytical results are received.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 4,869 bank cubic yards of non-hazardous soils have been excavated and stockpiled.

2.) To Date 6,400 loose cubic yards of TCLP soil have been excavated and stockpiled. 3. To date 4,869 bank cubic yards / 6,442 tons of non-hazardous soils consisting of 324 truckloads, have been transported to the BFI landfill in Zion, IL.

**Signature:**

**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Week Ending:** October 10, 1998**Project Location:** North Chicago, IL**Report No:** 011**Page** 1**Name:** Thomas W. Warren**Title:** Project Manager**Company Name & Address:** OHM/IT 1334 Enterprise Drive Romeoville, IL 60446**Telephone No:** (630) 759-9540**Telefax No:** (630) 759-5518**Reporting Period:** October 04, 1998 to October 10, 1998**Percent Original Field Work Completed** 56 %**Percent Original Project Completed** 52 %

**Summary of Work Completed On-Site:** 1.) Excavated approximately 80 bank cubic yards of TCLP lead soil from Grid number 16 quadrants A and C. The excavation in Grid 16 was re-excavation due to total lead analysis above the clean-up level following initial excavation. Quadrants A and B were sampled following re-excavation. 2.) Completed the stabilization of two, 16 cubic yards of soil, one at 4% reagent and the second at 6% reagent by weight. Samples were obtained from the stabilized material and submitted to Great Lakes Analytical Laboratory for disposal analysis and TCLP lead analysis. RMT Inc. was on-site to witness the mixing of the soil and reagent. Analysis of the mixed soil by RMT Inc. indicated the reagent percentage was 3.6 and 3.4 percent by weight. 3.) Performed backfilling in Grids 2 and 13.

**Summary of Work Completed Off-Site:** 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) Laboratory analytical support from RMT Inc. for soil stabilization analysis. 4.) Prepared and submitted to the USACE on-site Representative, a draft waste disposal profile for lead contaminated/stabilized soil to the BFI landfill in Zion, IL.

**Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):** 1.) The crew was scheduled to return from rotation on Monday, October 5, 1998. Due to heavy rains over the weekend and on Monday it was decided to suspend site operations until Monday October 12 to let the site dry out. Rain continued through Wednesday October 7. Backfilling operations resumed on Thursday October 8 and continued Friday. No work was performed over the weekend.

**Problems Encountered:** 1.) Extensive rains prevented excavation and backfilling Monday October 5 through Wednesday October 7.

**Recommendations:** None at this time.

**Key Personnel Changes:** There were no key personnel changes this week.

# RAPID RESPONSE ➤

Project Name: *Vacant Lot*For Week Ending: *October 10, 1998*Project Location: *North Chicago, IL*Report No: *011*Page *# 2*

**Work Anticipated to be Performed the Following Week:** 1.) Begin excavation of lead soils from grids near the north fence line. 2.) Continue post excavation, verification sampling 3.) Continue re-excavation of Grid 16 if necessary. 4.) Receive 2 tons of phosphate material and stabilize a test batch. Obtain a sample of stabilized material and submit to laboratory for waste disposal analysis. 5.) Continue the perimeter and personal air monitoring as required. 6.) Continue receiving phosphate material on-site and begin stabilization of TCLP lead soil. Approximately 9,200 tons of TCLP soil are stockpiled and ready for stabilization. 7.) Continue the backfill of Grids 14, 15 and 16 as acceptable analytical results are received. 8.) Receive waste disposal analysis of stabilized soil and finalize and submit the disposal profile to USACE and BFI Landfill for approval.

## Unit Price Quantities Reached to Date:

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 4,869 bank cubic yards of non-hazardous soils have been excavated and stockpiled. 2.) To Date 6,480 loose cubic yards of TCLP soil have been excavated and stockpiled. 3. To date 4,869 bank cubic yards / 6,442 tons of non-hazardous soils consisting of 324 truckloads, have been transported to the BFI landfill in Zion, IL.

Signature: \_\_\_\_\_

*10/13/98*

# RAPID RESPONSE ➤

<b>Project Name:</b> <i>Vacant Lot</i>		<b>For Week Ending:</b> <i>October 17, 1998</i>	
<b>Project Location:</b> <i>North Chicago, IL</i>		<b>Report No:</b> <i>012</i>	<b>Page</b> <i>1</i>
<b>Name:</b> <i>Thomas W. Warren</i>		<b>Title:</b> <i>Project Manager</i>	
<b>Company Name &amp; Address:</b> <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
<b>Telephone No:</b> <i>(630) 759-9540</i>		<b>Telefax No:</b> <i>(630) 759-5518</i>	
<b>Reporting Period:</b> <i>October 11, 1998 to October 17, 1998</i>			
<b>Percent Original Field Work Completed</b> <u>64</u> %		<b>Percent Original Project Completed</b> <u>60</u> %	
<p><b>Summary of Work Completed On-Site:</b> 1.) Excavated approximately 200 bank cubic yards of TCLP lead soil from outside the north fence on the rail road property. 2.) Completed the stabilization of 4,800 cubic yards of soil. The mix ratio was 2.4 to 2.7% reagent by weight. Samples were obtained from the stabilized material and submitted to Great Lakes Analytical Laboratory for TCLP lead analysis. Analytical results of the first 1000-ton batch were non-detectable for TCLP lead. 3.) Began receiving reagent on-site for soil stabilization. Six loads consisting of 134 tons of reagent was delivered to the site. 4.) Completed backfilling in Grids 14, 15 and 16. Began backfill in Grid 17. Approximately 79 loads (1,185 cubic yards) of backfill was delivered to the site. 5.) Received results of the waste disposal analysis for the stabilized soil. Finalized profile and disposal facility acceptance at the BFI Landfill in Zion, IL. 5.) Finalized procurement for a second backfill source. 6.) Received a long stick excavator on-site to assist in soil stabilization. 7.) Received 20 loads (300 cubic yards) of wood chips on site to use for truck route on-site.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) Laboratory analytical support from RMT Inc. for soil stabilization analysis. 4.) Finalized and submitted to the USACE on-site Representative, the final waste disposal profile for lead contaminated/stabilized soil to the BFI landfill in Zion, IL.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) The crew returned from rotation on Monday October 12, 1998. Heavy rains the previous week was the reason the rotation was taken.</p>			
<p><b>Problems Encountered:</b> 1.) Up to four inches of rain hit the site on Saturday October 17. The crew only worked half the day. Backfill operations were canceled on Saturday due to the rain. 2.) Delivery of reagent to the site was slow getting started early in the week.</p>			
<b>Recommendations:</b> <i>None at this time.</i>			
<b>Key Personnel Changes:</b> <i>There were no key personnel changes this week.</i>			

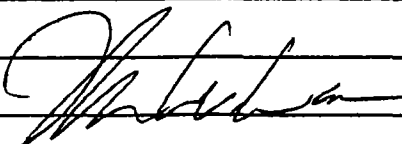
**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Week Ending:** October 17, 1998**Project Location:** North Chicago, IL**Report No:** 012**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Begin excavation of lead soils from grids near the north fence line. 2.) Continue post excavation, verification sampling and TCLP lead sampling of stabilized soil. 3.) Continue excavation of railroad property north of the north side fence. 4.) Receive remaining phosphate reagent material on-site and continue stabilization of TCLP lead soil. 5.) Continue the perimeter and personal air monitoring as required. 6.) Continue the backfill of Grid 17 and begin backfill on railroad property as acceptable analytical results are received. 7.) Begin hauling stabilized soil to BFI Landfill using Jack Gray Transportation Company.

**Unit Price-Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipate d

**Other Remarks:** 1.) To date 4,869 bank cubic yards of non-hazardous soils have been excavated and stockpiled. 2.) To Date 6,680 loose cubic yards of TCLP soil have been excavated and stockpiled. 3. To date 4,869 bank cubic yards / 6,442 tons of non-hazardous soils consisting of 324 truckloads, have been transported to the BFI landfill in Zion, IL. 3.) To date approximately 6,360 cubic yards of backfill material has been delivered to the site.

**Signature:** 10/20/98



**RAPID****RESPONSE** ➤

<b>Project Name:</b> <i>Vacant Lot</i>		<b>For Week Ending:</b> <i>October 23, 1998</i>	
<b>Project Location:</b> <i>North Chicago, IL</i>		<b>Report No:</b> <i>013</i>	<b>Page</b> <i>1</i>
<b>Name:</b> <i>Thomas W. Warren</i>		<b>Title:</b> <i>Project Manager</i>	
<b>Company Name &amp; Address:</b> <i>OHM/IT 1334 Enterprise Drive Romeoville, IL 60446</i>			
<b>Telephone No:</b> <i>(630) 759-9540</i>		<b>Telefax No:</b> <i>(630) 759-5518</i>	
<b>Reporting Period:</b> <i>October 17, 1998 to October 23, 1998</i>			
<b>Percent Original Field Work Completed</b> <u>68</u> %		<b>Percent Original Project Completed</b> <u>73</u> %	
<p>Summary of Work Completed On-Site: 1.) Excavated approximately 950 bank cubic yards of non-hazardous soil and sediment from the north end of the creek. 2.) Excavated approximately 200 bank cubic yards of TCLP soil from the rail road property. 3.) Excavated approximately 1,250 bank cubic yards of TCLP soil from Grid 19. 4.) Completed the stabilization of 1,200 cubic yards of soil. The mix ratio was 2.4 to 2.7% reagent by weight. Samples were obtained from the stabilized material and submitted to Great Lakes Analytical Laboratory for TCLP lead analysis. 5.) An additional 174 tons of reagent was delivered to the site. 6.) Completed backfilling in Grids 17. Approximately 55 loads (825 cubic yards) of backfill was delivered to the site. 7.) Transported 118 loads (approximately 1,770 loose cubic yards) of non-hazardous / treated soil to the BFI Facility in Zion, IL. 8.) Began the preparation of waste disposal profiles for treated soil to two disposal facilities in WI. 9.) Re-bid the waste transportation and disposal contracts.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) Laboratory analytical support from RMT Inc. for soil stabilization analysis. 4.) Prepared and submitted to USACE subcontract consent packages for Pheasant Run Landfill in Bristol, WI, Kestrel Hawk Landfill in Racine, WI and Triad Trucking.</p>			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> <i>None</i>			
<p><b>Problems Encountered:</b> 1.) The operators of the BFI Landfill will not maintain the haul roads to allow the end dump trucks to safely dump or prevent damage to the trucks from ruts in the road. The decision was made to profile the waste to one of two other facilities.</p>			
<b>Recommendations:</b> <i>None at this time.</i>			
<b>Key Personnel Changes:</b> <i>There were no key personnel changes this week.</i>			

# RAPID RESPONSE ➤

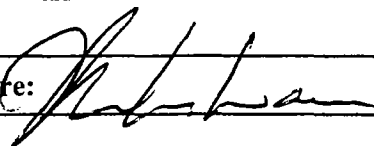
**Project Name:** Vacant Lot**For Week Ending:** October 23, 1998**Project Location:** North Chicago, IL**Report No:** 013**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Begin excavation of soil from the PCB area and the PCE area. 2.) Continue excavation of non-hazardous soil from the creek walls and sediment and the rail road property. 3.) Extend permit and insurance for working on the rail road property. 4.) Obtain TCLP lead samples for every 300 cubic yards of stabilized lead soil as required by the disposal facility. 5.) Continue post excavation, verification sampling of excavated areas. 6.) Continue the perimeter and personal air monitoring as required. 7.) Continue the backfill of excavated areas as acceptable analytical results are received. 8.) Begin hauling stabilized soil to yet to be determined disposal facility and transporter pending bid review and profile acceptance.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipate d

**Other Remarks:** 1.) To date 5,959 bank cubic yards of non-hazardous soils have been excavated. 2.) To Date 6,984 loose cubic yards of TCLP soil have been excavated. 3.) To date 6,630 bank cubic yards / 8,840 tons of non-hazardous soils consisting of 442 truckloads, have been transported to the BFI landfill in Zion, IL. 3.) To date approximately 7,185 cubic yards of backfill material has been delivered to the site.

**Signature:**

**RAPID****RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Week Ending:</b> October 30, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 014	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9540		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> October 24, 1998 to October 30, 1998			
<b>Percent Original Field Work Completed</b> <u>74</u> %		<b>Percent Original Project Completed</b> <u>78</u> %	
<p><b>Summary of Work Completed On-Site:</b> 1.) Excavated approximately 800 bank cubic yards of non-hazardous lead soil and sediment from the creek. 2.) Excavated approximately 130 bank cubic yards of TCLP lead soil from the rail road property. 3.) Excavated approximately 570 bank cubic yards of PCB / TCLP lead soil from the PCB area. 4.) Excavated approximately 85 cubic yards of PCE contaminated soil from the source area. 5.) Excavated approximately 80 cubic yards of non-hazardous lead soil from outside the fence on Commonwealth Avenue. 6.) Completed the stabilization of 1,000 cubic yards of TCLP lead soil. The mix ratio was 2.7% reagent by weight. Samples were obtained from the stabilized material and submitted to Great Lakes Analytical Laboratory for TCLP lead analysis. The results were non-detect for TCLP lead. 7.) Approximately 40 loads (600 cubic yards) of backfill was delivered to the site. 8.) Completed the preparation and submittal of waste disposal profiles for treated soil to two disposal facilities in WI. The waste disposal was eventually awarded to Kestrel Hawk Park Landfill in Racine, WI. 9.) Completed and awarded the waste transportation contract to Jack Gray Trucking. 10.) Contacted the rail road to extend the access permit until November 20, 1998.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) Finalized purchase orders and USACE subcontract consent packages for Pheasant Run Landfill in Bristol, WI and Kestrel Hawk Landfill in Racine, WI and Jack Gray Trucking. 4.) OHM's regulatory specialist had conversations with several landfills and regulatory authorities relating to State of WI approval to use stabilized soil as daily landfill cover.</p>			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> None			
<p><b>Problems Encountered:</b> 1.) The State of WI DNR would not approve the use of the stabilized soil as landfill cover at the Bristol WI Disposal Facility so last minute arrangements were made to transport the material to the Kestrel Hawk Park Facility in Racine, WI as landfill material. The WI DNR did approve the material for landfill. 2.) Mid-week rain halted the delivery and placement of backfill material. Excavation activities were suspended on Friday due to heavy rains on Thursday evening.</p>			
<b>Recommendations:</b> None at this time.			
<b>Key Personnel Changes:</b> There were no key personnel changes this week.			

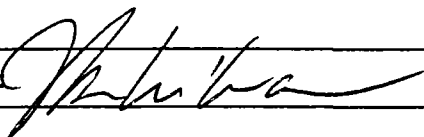
**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Week Ending:** October 30, 1998**Project Location:** North Chicago, IL**Report No:** 014**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Continue excavation of non-hazardous soil from the creek walls and sediment and the rail road property. 2.) Begin the transportation and disposal of stabilized lead soil to the Kestrel Park Landfill in Racine, WI. 3.) Continue post excavation, verification sampling of excavated areas. 4.) Continue the stabilization of TCLP lead soil. 5.) Research what steps that are necessary for the disposal of PCB contaminated soils with respect to recent changes in regulatory requirements. 6.) Continue the perimeter and personal air monitoring as required. 7.) Continue the backfill of excavated areas as acceptable analytical results are received.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 6,839 bank cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 5,950 bank cubic yards of TCLP lead soil have been excavated. 3.) To date 85 bank cubic yards of PCE contaminated soil has been excavated. 4.) To date 600 bank cubic yards of PCB contaminated soil has been excavated. 5.) To date 8,434 tons of non-hazardous soils consisting of 442 truckloads, have been transported to the BFI landfill in Zion, IL. 3.) To date approximately 7,785 cubic yards of backfill material has been delivered to the site.

**Signature**

# RAPID RESPONSE ➤

<b>Project Name:</b> Vacant Lot		<b>For Week Ending:</b> November 6, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 015	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9540		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> October 31, 1998 to November 6, 1998			
<b>Percent Original Field Work Completed</b> <u>92</u> %		<b>Percent Original Project Completed</b> <u>90</u> %	
<p>Summary of Work Completed On-Site: 1.) Excavated approximately 575 bank cubic yards of non-hazardous lead soil and sediment from the creek. 2.) Excavated approximately 1,100 bank cubic yards of TCLP lead soil from the slopes of the creek. 3.) Excavated approximately 935 bank cubic yards of TCLP lead soil from Grid 18. 4.) Completed the stabilization of 1,000 cubic yards of TCLP lead soil. The mix ratio was 1% reagent by weight. Samples were obtained from the stabilized material and submitted to Great Lakes Analytical Laboratory for TCLP lead analysis. 5.) The OHM superintendent received information from North Shore Gas Company that stated that if the 10" high pressure gas line needs to be supported during excavation, it would be required that concrete supports would be used.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory and air sample analysis performed by UEC Inc. 3.) IT/OHM's regulatory specialist had conversations with Kestrel Hawk Park Landfill and regulatory authorities relating to the disposal of non TSCA PCB soil that has been stabilized to meet non-hazardous TCLP lead levels. The soil can be accepted at Kestrel Hawk Park Landfill if below 50 ppm PCB.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) At the request of the EPA the excavated areas in the northern portion of the site and Pettibone Creek will not be backfilled. 2.) The EPA has requested the perimeter fence be left in place at the completion of the work. 3.) IT/OHM's Health and Safety Department has approved the downgrade of the site to modified level "D" protection based on personal air monitoring results. Also personal and perimeter air sampling will be suspended.</p>			
<p><b>Problems Encountered:</b> 1.) Occasional rain prevented the delivery and placement of backfill material.</p>			
<p><b>Recommendations:</b> None at this time.</p>			
<p><b>Key Personnel Changes:</b> There were no key personnel changes this week.</p>			

# RAPID RESPONSE ➤

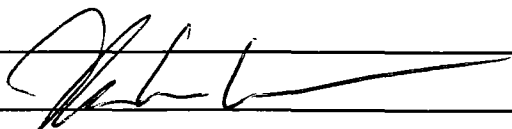
**Project Name:** Vacant Lot**For Week Ending:** November 6, 1998**Project Location:** North Chicago, IL**Report No:** 015**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Continue excavation of non-hazardous soil and TCLP lead soil from the creek walls and sediment, Grid 18 and the rail road property. 2.) Continue the transportation and disposal of non-hazardous lead soil to the Kestrel Park Landfill in Racine, WI. 3.) Continue post excavation, verification sampling of excavated areas. 4.) Continue the stabilization of TCLP lead soil as necessary. 5.) Complete the profile for the disposal of non-TSCA, PCB contaminated soils to the Kestrel Hawk Park Landfill in Racine WI. 6.) Continue real-time air monitoring as required. 7.) Continue the backfill of excavated areas as acceptable analytical results are received.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 bank cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 7,985 bank cubic yards of TCLP lead soil have been excavated. 3.) To date 85 bank cubic yards of PERC contaminated soil has been excavated. 4.) To date 600 bank cubic yards of PCB contaminated soil has been excavated. 5.) To date a total of 14,960 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons / 442 truckloads to the BFI landfill in Zion, IL and 6,526 tons / 272 truck loads to Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 7,785 cubic yards of backfill material has been delivered to the site. 6.) To date approximately 9,516 tons of TCLP lead soil has been stabilized.

**Signature:**

**RAPID  
RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> November 13 and 20, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 016	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9540		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> November 7, 1998 to November 20, 1998			
<b>Percent Field Work Completed</b> <u>93</u> %		<b>Percent Project Completed</b> <u>91</u> %	
<p>Summary of Work Completed On-Site: 1.) Approximately 6,800 cubic yards of soil and sediment from the creek and soil from grids were excavated and stockpiled. Awaiting confirmation results from the grid and results indicating if the stockpiled soil needs stabilization or not. 2.) Three loads of non-hazardous concrete were shipped off-site for recycle. 3.) Approximately 1,275 cubic yards of backfill was delivered to the site. 3.) Approximately 1,514 tons of CA-11 stone was delivered for backfill of the Railroad property excavation. 4.) Backfilled approximately 65% of the railroad property. 5.) Completed excavation on the railroad property pending confirmation analysis. 6.) Completed excavation of Pettibone Creek. 7.) Stabilized approximately 1,800 cubic yards of TCLP lead soil. 8.) Continued transportation of lead soil to the Kestrel Hawk Landfill. 9.) Relocated the main office trailer to the west side of the site to allow for the excavation of the east side of the support area. Electrical service was re-established to the trailer. Demobilized the support office trailer.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2) Soil sample analysis performed by Great Lakes Laboratory, EMT Inc. and air sample analysis performed by UEC Inc. 3.) OHM Program chemist and OHM procurement representative obtained quotes from several laboratories and established a purchase order with EMT laboratory. OHM project manager researched local and state regulations for the closure of monitoring wells and identified several qualified well drillers to provide price quotations.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) None during this period.</p>			
<p><b>Problems Encountered:</b> 1.) Great Lakes Laboratory was questioned about not meeting turn around time and in response to the inquiry, the laboratory refused to perform additional analysis. OHM's legal department is drafting a letter to respond to Great Lakes Laboratory for default of their contract. 2.) An unknown buried container was uncovered and accidentally ruptured. A make shift pipe was connected to the container which broke when uncovered. A fuming reaction was observed from liquid in the container and the liquid on the ground. Less than 1 gallon of free liquid was in the container. It is unknown how much liquid spilled on the ground. The pH of the liquid was 1. While attempting to over pack the container the remaining liquid spilled onto the ground. The contaminated soil was sampled for haz-cat analysis at an off-site laboratory and the contaminated soil (approximately 15 cubic yards) was covered with visqueen.</p>			
<p><b>Recommendations:</b> None at this time.</p>			

**RAPID****RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** November 13 and 20, 1998**Project Location:** North Chicago, IL**Report No:** 016**Page** 1**Key Personnel Changes:** There were no key personnel changes this week.**Work Anticipated to be Performed the Following Week:** 1.) Due to the Thanksgiving Holiday, no work will be performed on-site other than re-establishment of telephone service and site security.**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 14,505 cubic yards of TCLP lead soil have been excavated. 3.) An additional 600 cubic yards of PCB contaminated soil has been excavated. 5.) To date a total of 14,960 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 13,103 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 9,060 cubic yards of backfill dirt has been delivered to the site. 6.) To date approximately 10,849 tons of TCLP lead soil has been stabilized.

**Signature:** 



# RAPID RESPONSE ➤

Project Name: Vacant Lot

For Weeks Ending: November 27, 1998

Project Location: North Chicago, IL

Report No: 017

Page 1

Name: Thomas W. Warren

Title: Project Manager

Company Name &amp; Address:

OHM/IT 1334 Enterprise Drive Romeoville, IL 60446

Telephone No: (630) 759-9540

Telefax No: (630) 759-5518

Reporting Period: November 21, 1998 to November 27, 1998

Percent Field Work Completed 80%Percent Project Completed 78 %

Summary of Work Completed On-Site: 1.) Telephone service was connected to the relocated office trailer. 2.) Full time site security. 3.) No other on-site work was performed due to the Thanksgiving Holiday. The crew will be mobilized back to the site on Monday November 30, 1998.

Summary of Work Completed Off-Site: 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. and ECC Inc. 3.) Forward look and modification preparation by the project manager.

Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): 1.) None during this period.

Problems Encountered: 1.) None during this period.

Recommendations: None at this time.

Key Personnel Changes: There were no key personnel changes this week.

Work Anticipated to be Performed the Following Week: 1.) Continue stabilization of stockpiled TCLP lead soil. 2.) Continue excavation of site grids for lead soil. 3.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 4.) Continue to backfill railroad property. 5.) A new project superintendent will be transitioned onto the site this week. 6.) Approximately 44 tons of phosphate reagent will be delivered on Monday, November 30 1998.

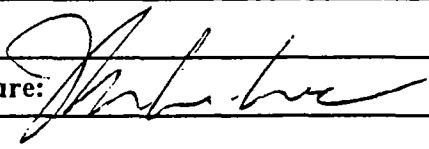
Unit Price Quantities Reached to Date:

Unit Priced		Quantity	Quantity
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**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** November 27, 1998**Project Location:** North Chicago, IL**Report No:** 017**Page** 1

Item	Unit	to Date	Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 14,505 cubic yards of TCLP lead soil have been excavated. 3.) An additional 600 cubic yards of PCB contaminated soil has been excavated. 5.) To date a total of 14,960 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 13,103 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 9,060 cubic yards of backfill dirt has been delivered to the site. 6.) To date approximately 10,849 tons of TCLP lead soil has been stabilized.

**Signature:** 

**RAPID****RESPONSE ➤**

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> December 4, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 018	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9540		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> November 28, 1998 to December 4, 1998			
<b>Percent Field Work Completed</b> <u>80</u> %		<b>Percent Project Completed</b> <u>78</u> %	
<p>Summary of Work Completed On-Site: 1.) The crew was mobilized back from the Thanksgiving break. 2.) Received confirmation analysis and completed backfill of railroad property with stone. May re-grade the area during final site grading. 3.) Received approval to ship non-hazardous lead / non-TSCA PCB soil to Kestrel Hawk Landfill in Racine, WI. Approximately 773 tons were shipped this week. This was soil from the first half of the PCB area. 4.) Shipped approximately 50 tons of stumps and debris to the Kestrel Hawk Landfill in Racine WI. 5.) Shipped approximately 2,303 tons of non-hazardous lead soil to the Kestrel Hawk Landfill in Racine, WI. 6.) Excavated approximately 550 cubic yards of soil from the second half of the PCB area. The soil was stockpiled and sampled to determine actual PCB concentrations. 7.) Removed the diversion dam in the creek. 8.) Stabilized approximately 4,350 cubic yards of TCLP lead soil. 8.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Forward look preparation by the project manager. 4.) Procurement and program support as necessary.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) None during this period.</p>			
<p><b>Problems Encountered:</b> 1.) None during this period.</p>			
<p><b>Recommendations:</b> None at this time.</p>			
<p><b>Key Personnel Changes:</b> Teddy Landry arrived on site to begin transition with Jim Horn as the project superintendent.</p>			

**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** December 4, 1998**Project Location:** North Chicago, IL**Report No:** 018**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Continue stabilization of stockpiled TCLP lead soil. 2.) Continue excavation of site grids for lead soil. 3.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 4.) Complete project superintendent transition 5.) Continue sampling and chemical analysis to support excavation confirmation and stabilization. 6.) Re-locate the decon trailers and support items to the west side of the support area to allow for stockpiling of soil.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 14,505 cubic yards of TCLP lead soil have been excavated. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 23,840 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 15,406 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 773 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 50 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,120 cubic yards of backfill dirt and stone has been delivered to the site. 9.) To date approximately 16,721 tons of TCLP lead soil has been stabilized.

**Signature:** 

## Forward Look With Extra Tasks

Print Date: 12/09/98

## North Chicago Vacant Lot

Date: 12/07/98

## To Complete All Tasks

WBS Code	Original Budget	Revised Budget	Actual To Date	Physical % Complete	Budget at Completion	Budget Variance	Estimate to Complete	Actual to Budget	Activity
0000000									Default WBS
0000015	3,035.00	3,035.00	3,214.76	100.00%	3,214.76	(179.76)	0.00	105.92%	Site Visit
0000020	11,502.00	11,502.00	8,874.77	100.00%	8,874.77	2,627.23	0.00	77.16%	Work Plans, H&S, CSAP
0000035	2,258.00	2,258.00	4,562.80	100.00%	4,562.80	(2,304.80)	0.00	202.07%	Pre-Excavation Sampling
0000045	15,305.00	15,305.00	34,288.73	81.08%	42,288.73	(26,983.73)	8,000.00	276.31%	Mobe & Demobe
0000050	15,830.00	15,830.00	56,629.75	100.00%	56,629.75	(40,799.75)	0.00	357.74%	Site Setup
0000055	8,979.00	8,979.00	37,717.66	100.00%	37,717.66	(28,738.66)	0.00	420.07%	Clearing & Grubbing
0000060	54,940.00	54,940.00	54,149.58	100.00%	54,149.58	790.42	0.00	98.56%	Site Security
0000065	196,662.00	196,662.00	185,458.00	100.00%	185,458.00	11,204.00	0.00	94.30%	Soil Excavation
0000070	29,240.00	29,240.00	36,885.35	100.00%	36,885.35	(7,645.35)	0.00	126.15%	Verification Sampling
0000080	553,524.00	553,524.00	560,237.53	100.00%	560,237.53	(6,713.53)	0.00	101.21%	Transportation & Disposal
0000085	207,518.00	207,518.00	72,703.32	83.85%	86,703.32	120,814.68	14,000.00	41.78%	Backfill Excavation
0000090	31,126.00	31,126.00	156.06	0.50%	31,282.06	(156.06)	31,126.00	100.50%	Site Restoration
0000095	13,026.00	13,026.00	0.00	0.00%	13,026.00	0.00	13,026.00	100.00%	Site Teardown
0000096	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%	
0000097	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%	
0000110	115,298.00	115,298.00	119,442.73	100.00%	119,442.73	(4,144.73)	0.00	103.59%	Administration & Support
0000111	39,467.00	39,467.00	26,160.40	83.42%	31,360.40	8,106.60	5,200.00	79.46%	A&S Home Office
0000115	36,579.00	36,579.00	0.00	0.00%	36,579.00	0.00	36,579.00	100.00%	Final Report
0000120	74,241.00	74,241.00	100,146.74	100.00%	100,146.74	(25,905.74)	0.00	134.89%	Per Diem/FOGMA/PPE
0000200	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%	
0000210	0.00	30,000.00	29,846.66	84.30%	35,405.66	(5,405.66)	5,559.00	0.00%	Additional Site Security
0000220	0.00	300,000.00	238,690.14	87.35%	273,250.14	26,749.86	34,560.00	0.00%	Stabilization
0000300	0.00	100,000.00	57,275.74	72.67%	78,819.74	21,180.26	21,544.00	0.00%	Additional Excavation
0000310	0.00	0.00	133,033.67	30.86%	431,047.67	(431,047.67)	298,014.00	0.00%	Additional T&D
0000320	0.00	0.00	209.33	0.00%	209.33	(209.33)	0.00	0.00%	Additional Backfill
0000330	0.00	25,000.00	46,780.89	80.35%	58,224.89	(33,224.89)	11,444.00	0.00%	Additional Analytical
0000340	0.00	50,000.00	66,288.62	73.46%	90,234.62	(40,234.62)	23,946.00	0.00%	Additional Admin & Support
0000350	0.00	50,000.00	68,321.45	79.38%	86,067.45	(36,067.45)	17,746.00	0.00%	Additional Per Diem, FOGMA, PPE
0000360	0.00	2,309.00	2,176.27	100.00%	2,176.27	132.73	0.00	0.00%	Unknown Investigation
Fee	0.00	38,241.00	0.00	0.00%	74,709.00	(36,468.00)	74,709.00	0.00%	Additional Fee
Fee	96,559.00	96,559.00	0.00	0.00%	96,559.00	0.00	96,559.00	100.00%	Base Fee
<b>Grand Total</b>	<b>1,505,089.00</b>	<b>2,100,639.00</b>	<b>1,943,250.95</b>	<b>73.74%</b>	<b>2,635,262.95</b>	<b>(534,623.95)</b>	<b>692,012.00</b>		

**RAPID****RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> December 11, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 019	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9540		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> December 5, 1998 to December 11, 1998			
<b>Percent Field Work Completed</b> <u>85%</u>		<b>Percent Project Completed</b> <u>80</u> %	
<p>1.) Shipped approximately 825 tons of non-hazardous lead / non-TSCA PCB soil to the Kestrel Hawk Landfill in Racine, WI. This was soil from the second half of the PCB area. 2.) Shipped approximately 3,798 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. 3.) Excavated approximately 1,621 cubic yards of soil from Grids 26, 27, 28, 29, 30, 31 and 32. 4.) Stabilized approximately 2,150 cubic yards of TCLP lead soil. 5.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation. 6.) Received clean confirmation sample results for Grids 26, 27, 28, 29, 30, 31 and ½ of Grid 32. 7.) Received 48 yards of stone to maintain the truck haul road. 8.) Relocated decon trailer and other support items to make room for stockpiling of soil in the support area. 9.) Mobilized an off-road dump truck to assist in stockpiling excavated soil.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Forward look preparation by the project manager. 4.) Procurement and program support as necessary.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) None during this period.</p>			
<p><b>Problems Encountered:</b> 1.) Several batches of stabilized soil failed TCLP and were re-treated. 2.) Current funding limit has been exceeded and work was suspended as of close of business Friday December 11, 1998. Additional funding expected in Omaha any day.</p>			
<p><b>Recommendations:</b> None at this time.</p>			
<p><b>Key Personnel Changes:</b> No personnel changes this week.</p>			

**RAPID****RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** December 11, 1998**Project Location:** North Chicago, IL**Report No:** 019**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Re-mobilize crew when funding is received. 2.) Continue stabilization of stockpiled TCLP lead soil. 3.) Continue excavation of site grids for lead soil. 4.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 5.) Continue sampling and chemical analysis to support excavation confirmation and stabilization.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 16,126 cubic yards of TCLP lead soil have been excavated. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 27,638 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 19,204 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,598 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 50 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,168 cubic yards of backfill dirt and stone has been delivered to the site. 9.) To date approximately 19,623 tons of TCLP lead soil has been stabilized.

**Signature:** 

# RAPID RESPONSE ➤

Project Name: Vacant Lot		For Weeks Ending: December 18, 1998	
Project Location: North Chicago, IL		Report No: 020	Page 1
Name: Thomas W. Warren		Title: Project Manager	
Company Name & Address: OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
Telephone No: (630) 759-9562		Telefax No: (630) 759-5518	
Reporting Period: December 12, 1998 to December 18, 1998			
Percent Field Work Completed <u>85</u> %		Percent Project Completed <u>83</u> %	
1.) Shipped approximately 3,860 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. 2.) Excavated approximately 1,280 cubic yards of soil from Grids 30, 31, 32, 33 and 43. 3.) Stabilized approximately 1,000 cubic yards of TCLP lead soil. 4.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation. 5.) Received clean confirmation sample results for Grids 33 and 43.			
Summary of Work Completed Off-Site: 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Forward look preparation by the project manager. 4.) Procurement and program support as necessary.			
Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's): 1.) No excavation within 2 feet of the high pressure gas line along the eastside of the site.			
Problems Encountered: 1.) Current funding limit has been exceeded and work was suspended as of close of business Friday December 11, 1998. Additional funding was received on Monday December 14 and on-site work resumed on Tuesday December 15.			
Recommendations: None at this time.			
Key Personnel Changes: Two equipment operators and the general foreman were involved in an after hours auto accident. The personnel were hospitalized and will most likely not return to the project. The accident was not project related.			



# RAPID RESPONSE

Project Name: Vacant Lot

For Weeks Ending: December 18, 1998

Project Location: North Chicago, IL

Report No: 020

Page 1

**Work Anticipated to be Performed the Following Week:** 1.) Continue stabilization of stockpiled TCLP lead soil. 2.) Continue excavation of site grids for lead soil. 3.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 4.) Continue sampling and chemical analysis to support excavation confirmation and stabilization. 5.) Mobilize a dozer to begin final site grading. 6.) Obtain additional backfill material as required.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 17,376 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 31,498 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 23,064 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,598 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 50 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,168 cubic yards of backfill dirt and stone has been delivered to the site.

Signature: 

**RAPID****RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> December 25, 1998	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 021	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b>		OHM/IT 1334 Enterprise Drive Romeoville, IL 60446	
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> December 19, 1998 to December 25, 1998			
<b>Percent Field Work Completed</b> <u>95</u> %		<b>Percent Project Completed</b> <u>92</u> %	
1.) Shipped approximately 3,047 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. 2.) Excavated approximately 2,100 cubic yards of soil from Grids 34, 36, 37, 39, 40, 42 and 43. 3.) Stabilized approximately 2,100 cubic yards of TCLP lead soil. 4.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation. 5.) Received clean confirmation sample results for Grids 30, 32, 33, 34, 37, 39, 40, 42 and 43. Several Grids are effected by the road and will be excavated next week. 6.) Mobilized a dozer to begin final grading of site. 7.) Received approximately 180 cubic yards of backfill dirt. 8.) Secured site for the Christmas Holiday. Wednesday December 23 was the last workday this week.			

**Summary of Work Completed Off-Site:** 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Forward look preparation by the project manager. 4.) Procurement and program support as necessary.

**Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):** 1.) No excavation within 2 feet of the high pressure gas line along the eastside of the site.

**Problems Encountered:** None this period.

**Recommendations:** None at this time.

**Key Personnel Changes:** None this period.

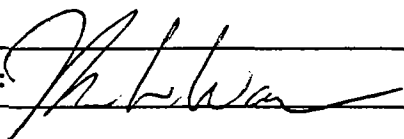
**RAPID**  
**RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** December 25, 1998**Project Location:** North Chicago, IL**Report No:** 021**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Complete the excavation of remaining grids and roadway. 2.) Complete the stabilization of excavated soil. 3.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 4.) Continue sampling and chemical analysis to support excavation confirmation and stabilization. 5.) Continue final site grading. 6.) Obtain additional backfill material as required. 7.) Rebuild haul road as required to complete T&D of waste. 8.) Crews will not work on new year's day but will work over the weekend if necessary.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 19,476 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 34,545 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 26,111 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,598 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 50 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,348 cubic yards of backfill dirt and stone has been delivered to the site.

**Signature:**

# RAPID RESPONSE ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> January 01, 1999	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 022	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> December 26, 1998 to January 01, 1999			
<b>Percent Field Work Completed</b> 96%		<b>Percent Project Completed</b> 94 %	
1.) Shipped approximately 862 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. 2.) Excavated approximately 800 cubic yards of soil from haul road grids 36, 37, 43 and 42. 3.) Stabilized approximately 750 cubic yards of TCLP lead soil. 4.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation. 5.) Received clean confirmation sample results for road grids 36, 37, 43 and 42. 6.) No work was performed on-site on January 1, 2 and 3 due to New Years day and a snow storm that hit on January 1 <sup>st</sup> .			
<b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Forward look preparation by the project manager. 4.) Procurement and program support as necessary.			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) Due to weather conditions, no additional backfill or final grading will be performed until next spring. The USEPA and USACE will determine the extent of additional backfill and grading.			
<b>Problems Encountered:</b> 1.) The material being excavated from the haul road came up in large frozen chunks and required additional handling to break into manageable size pieces. Also some of the chunks that were in contact with the TCLP slag were scraped with the excavator to remove the slag.			
<b>Recommendations:</b> None at this time.			
<b>Key Personnel Changes:</b> None this period.			

# RAPID RESPONSE ➤

Project Name: Vacant Lot

For Weeks Ending: January 01, 1999

Project Location: North Chicago, IL

Report No: 022

Page 1

**Work Anticipated to be Performed the Following Week:** 1.) Complete the excavation of remaining grids and roadway. 2.) Complete the stabilization of excavated soil. 3.) Continue T&D of contaminated soil to the Kestrel Hawk Landfill. 4.) Continue sampling and chemical analysis to support excavation confirmation and stabilization. 5.) Begin tear down and demobilization of unused equipment and materials.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 20,276 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 37,768 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 29,334 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,110 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 49 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,348 cubic yards of backfill dirt and stone has been delivered to the site.

Signature: 

**RAPID  
RESPONSE ➤**

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> January 08, 1999	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 023	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> January 2, 1998 to January 8, 1999			
<b>Percent Field Work Completed</b> 98%		<b>Percent Project Completed</b> 96 %	
<p>1.) Shipped approximately 1,819 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. 2.) Excavated approximately 450 cubic yards of soil from haul road grids 39 and 40. Also removed visual slag from grid 39. Excavation is now complete. 3.) Stabilized approximately 450 cubic yards of TCLP lead soil. Stabilization of soil is now complete. 4.) Continued sampling and laboratory analysis to support excavation and stabilization confirmation. 5.) Received clean confirmation sample results for road grids 39 and 40. 6.) No work was performed on-site on January 1, 2 and 3 due to New Years day and a snow storm that hit on January 1<sup>st</sup>. 7.) Cut a truck exit in the western fence to allow disposal trucks to exit site more expeditiously if needed.</p>			
<b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Procurement and program support as necessary.			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) Due to weather conditions, no additional backfill or final grading will be performed until next spring. The USEPA and USACE will determine the extent of additional backfill and grading.			
<b>Problems Encountered:</b> 1.) Weather conditions impacted the number of trucks available for loading. 2.) Solvent odor noticed in creek on 1/5/99 possibly due to release from EMCO. 3.) Had to use excavator to break frozen road base and asphalt into manageable sized pieces. Also scraped slag from some of the pieces. 4.) Snow clearing on-site was necessary on 1/4/99 due to 18" of snow over the weekend.			
<b>Recommendations:</b> None at this time.			
<b>Key Personnel Changes:</b> None this period.			

# RAPID RESPONSE ➤

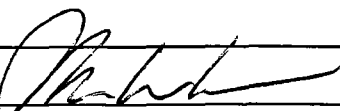
**Project Name:** Vacant Lot**For Weeks Ending:** January 08, 1999**Project Location:** North Chicago, IL**Report No:** 023**Page** 1

**Work Anticipated to be Performed the Following Week:** 1.) Continue and complete T&D of contaminated soil to the Kestrel Hawk Landfill. 2.) Import enough gravel or fill material to eliminate fall hazards near the side walk area on the south side of the site. 3.) Complete tear down and demobilization of all equipment, materials and personnel. 4.) Made arrangements with landfill to haul on Saturday 1/ 9/99.

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 20,726 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 39,587 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 31,153 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,110 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 49 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,348 cubic yards of backfill dirt and stone has been delivered to the site.

**Signature:**

# RAPID RESPONSE ➤

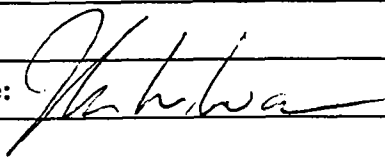
<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> January 15, 1999	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 024	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> January 9, 1998 to January 15, 1999			
<b>Percent Field Work Completed</b> <u>100</u> %		<b>Percent Project Completed</b> <u>97</u> %	
<p>1.) Shipped approximately 3,097 tons of non-hazardous lead soil to the Kestrel Hawk Landfill. The T&amp;D of soils is complete. 2.) Excavated approximately 6" of soil from soil stockpile areas. 3.) Obtained 6 confirmation samples of the stockpile areas and submitted the samples to EMT Laboratory for total lead analysis. 4.) Received results back indicating that additional excavation may be necessary in the stockpile areas. 5.) Completed the demobilization of all equipment and materials with the exception of the office trailer and the OHM excavator. These items will be demobilized on Monday. 6.) All personnel with the exception of the project accountant were demobilized. 7.) 1 load of stone and 30 loads of fill dirt were delivered to the site to backfill around the south fence line.</p>			
<p><b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Soil sample analysis performed by EMT Inc. 3.) Project Chemist began assembling data tables and text for the final report. 4.) Procurement and program support as necessary.</p>			
<p><b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) Due to weather conditions, no additional backfill or final grading will be performed until next spring. The USEPA and USACE will determine the extent of additional backfill and grading.</p>			
<p><b>Problems Encountered:</b> 1.) Confirmation sample results received following demobilization indicate that an additional 6" to 1' of soil may need to be excavated from the stockpile storage areas. The excavation and disposal will be performed next spring along with any additional site restoration work USACE may direct.</p>			
<p><b>Recommendations:</b> None at this time.</p>			
<p><b>Key Personnel Changes:</b> With the exception of the project accountant, all personnel have been demobilized from the site.</p>			
<p><b>Work Anticipated to be Performed the Following Week:</b> 1.) Demobilize the excavator and office trailer on Monday January 18, 1999. 2.) Maintain guard service until the office trailer is demobilized. 3.) Begin administrative closeout of project (project accountant and project manager). 4.) Continue with final report preparation.</p>			



**RAPID  
RESPONSE** ➤**Project Name:** Vacant Lot**For Weeks Ending:** January 15, 1999**Project Location:** North Chicago, IL**Report No:** 024**Page** 1**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 20,726 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 42,684 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 34,250 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,110 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 49 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,810 cubic yards of backfill dirt and stone has been delivered to the site.

**Signature:**

**RAPID  
RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> January 22, 1999	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 025	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> January 16, 1998 to January 22, 1999			
<b>Percent Field Work Completed</b> <u>100</u> %		<b>Percent Project Completed</b> <u>98</u> %	
1.) Demobilized office trailer and project accountant on Monday January 18. 2.) The excavator was demobilized on Tuesday January 19. OHM supplied an equipment operator to load the excavator. Sunday January 17 was the last day of on-site guard service. As of Tuesday January 19, all items were demobilized from the site. 3.) Laborer unloaded and put equipment away in the Romeoville shop.			
<b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Project manager and chemist performed work on the final report. 3.) Project manager and project accountant worked on administrative close out.			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) Due to weather conditions, no additional backfill or final grading will be performed until next spring. The USEPA and USACE will determine the extent of additional backfill and grading.			
<b>Problems Encountered:</b> 1.) Confirmation sample results received following demobilization indicate that an additional 6" to 1' of soil may need to be excavated from the stockpile storage areas. The excavation and disposal will be performed next spring along with any additional site restoration work USACE may direct.			
<b>Recommendations:</b> None at this time.			
<b>Key Personnel Changes:</b> All personnel have been demobilized from the site.			
<b>Work Anticipated to be Performed the Following Week:</b> 1.) Continue with administrative closeout of project (project accountant and project manager). 4.) Continue with final report preparation.			

**RAPID****RESPONSE** ➤

Project Name: Vacant Lot

For Weeks Ending: January 22, 1999

Project Location: North Chicago, IL

Report No: 025

Page 1

**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 20,726 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 42,684 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 34,250 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,110 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 49 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,810 cubic yards of backfill dirt and stone has been delivered to the site.

Signature: 

**RAPID****RESPONSE** ➤

<b>Project Name:</b> Vacant Lot		<b>For Weeks Ending:</b> January 22, 1999	
<b>Project Location:</b> North Chicago, IL		<b>Report No:</b> 025	<b>Page</b> 1
<b>Name:</b> Thomas W. Warren		<b>Title:</b> Project Manager	
<b>Company Name &amp; Address:</b> OHM/IT 1334 Enterprise Drive Romeoville, IL 60446			
<b>Telephone No:</b> (630) 759-9562		<b>Telefax No:</b> (630) 759-5518	
<b>Reporting Period:</b> January 16, 1998 to January 22, 1999			
<b>Percent Field Work Completed</b> <u>100</u> %		<b>Percent Project Completed</b> <u>98</u> %	
1.) Demobilized office trailer and project accountant on Monday January 18. 2.) The excavator was demobilized on Tuesday January 19. OHM supplied an equipment operator to load the excavator. Sunday January 17 was the last day of on-site guard service. As of Tuesday January 19, all items were demobilized from the site. 3.) Laborer unloaded and put equipment away in the Romeoville shop.			
<b>Summary of Work Completed Off-Site:</b> 1.) Program office processed certified payrolls for OHM/IT. 2.) Project manager and chemist performed work on the final report. 3.) Project manager and project accountant worked on administrative close out.			
<b>Explanation of Deviation from Work Plan (Including Modifications and Schedule Slippage's):</b> 1.) Due to weather conditions, no additional backfill or final grading will be performed until next spring. The USEPA and USACE will determine the extent of additional backfill and grading.			
<b>Problems Encountered:</b> 1.) Confirmation sample results received following demobilization indicate that an additional 6" to 1' of soil may need to be excavated from the stockpile storage areas. The excavation and disposal will be performed next spring along with any additional site restoration work USACE may direct.			
<b>Recommendations:</b> None at this time.			
<b>Key Personnel Changes:</b> All personnel have been demobilized from the site.			
<b>Work Anticipated to be Performed the Following Week:</b> 1.) Continue with administrative closeout of project (project accountant and project manager). 4.) Continue with final report preparation.			

**RAPID****RESPONSE ➤****Project Name:** Vacant Lot**For Weeks Ending:** January 22, 1999**Project Location:** North Chicago, IL**Report No:** 025**Page** 1**Unit Price Quantities Reached to Date:**

Unit Priced Item	Unit	Quantity to Date	Quantity Anticipated

**Other Remarks:** 1.) To date 7,414 cubic yards of non-hazardous lead soils have been excavated. 2.) To Date 20,726 cubic yards of TCLP lead soil have been excavated and stabilized. 3.) An additional 1,150 cubic yards of PCB contaminated soil has been excavated. 4.) To date a total of 42,684 tons of non-hazardous soil have been transported to off-site disposal facilities consisting of 8,434 tons to the BFI landfill in Zion, IL and 34,250 tons to the Kestrel Hawk Park Landfill in Racine WI. 6.) To date approximately 1,110 tons of non-hazardous lead / non-TSCA PCB soil has been shipped to the Kestrel Hawk Landfill. 7.) To date approximately 49 tons of non-hazardous stumps and debris have been shipped to the Kestrel Hawk Landfill. 8.) To date approximately 9,810 cubic yards of backfill dirt and stone has been delivered to the site.

**Signature:**